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November 1992

Electronic Market

TRENDS

The Authoritative Source for
Economic Information and Analysis
on the U.S. Electronics Industry

Contains:
September 1992 Factory Shipment Data
August 1992 Electronics Trade Data

TRENDS

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The Electronic Industries Association (EIA) has been the national trade organization representing U.S. electronics manufacturers since 1924. Committed to the competitiveness of the American producer, EIA represents the entire spectrum of companies involved in the manufacture of electronic components, parts, systems, and equipment for communications, industrial, government, and consumer-end uses.

The EIA Marketing Services Department is recognized as THE authoritative source of statistical and analytical information on the U.S. electronic industries.

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Important Notice:

In December, more than 3.5 million American businesses will receive 1992 Economic Census questionnaires from the U.S. Census Bureau. The due date for returning the forms in February 15, 1993 and firms receiving the forms are required by law to respond.

This Census is taken every five years, and is a useful tool to identify trends in the American economy. The data will be used by government agencies, individual businesses, associations, news media and others to get an in-depth look at industry sectors which represent about 98 percent of all economic activity in the U.S., including: manufacturing, retail and wholesale trade, service industries, transportation, mining, and construction industries.

The Electronics Industries Association urges your company or firm to participate in these important surveys. If you think your company is not directly affected by a lack of participation in them you are wrong.

U.S. Electronics Industry Summary

U.S. Factory Sales September 1992

(millions of dollars)

	Seasonally Adj			Not Seasonally Adj			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales[1]	23,979	23,537	1.9%	27,293	25,570	6.7%	208,892	198,209	5.4%

Electronics Foreign Trade Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports[2]	7,561	7,382	2.4%	7,706	6,578	17.1%	55,532	48,890	13.6%
Exports[3]	6,145	6,388	-3.8%	5,920	5,728	3.4%	49,865	47,972	3.9%
Balance	(1,416)	(994)	42.5%	(1,786)	(850)	NA	(5,668)	(918)	NA

Bilateral Trade Summary August 1992

(not seasonally adj millions of dollars)

	IMPORTS	% of Tot	EXPORTS	% of Tot	BALANCE
Japan	19,099	34.3%	5,266	10.5%	(13,833)
Canada	4,231	7.6%	8,472	17.0%	4,241
Singapore	5,099	9.2%	2,453	4.9%	(2,646)
Mexico	3,648	6.6%	3,663	7.3%	15
Taiwan	5,035	9.0%	2,038	4.1%	(2,997)
S. Korea	3,592	6.5%	1,752	3.5%	(1,840)
U.K.	1,510	2.7%	3,839	7.7%	2,329
Germany	1,679	3.0%	3,389	6.8%	1,710
Malaysia	3,373	6.1%	1,395	2.8%	(1,978)
France	698	1.3%	1,886	3.8%	1,188
Other	7,686	13.8%	15,781	31.6%	8,095

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Electronics Employment Summary August 1992

(thousands of workers)
Hourly Wage Index 1/88=100

	Seasonally Adj			Not Seasonally Adj		
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.
PRODUCTION WORKERS	845.5	847.1	-0.2%	845.9	887.6	-4.7%
ALL EMPLOYEES	1,796.9	1,807.0	-0.6%	1,799.7	1,902.9	-5.4%
HOURLY WAGE INDEX	NA	NA		117.2	112.9	3.8%

Electronics Producer Price Index September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX[4]	93.9	95.9	-2.0%	94.1	-0.2%

U.S. Electronics Economic Summary

Seasonally adjusted factory sales of electronics rose 1.9% from August, and 6.7% from the prior year. Factory sales grew 5.2% from third quarter 1991 and increased at an annualized rate of 5.7% from the second quarter of 1992.

August imports of electronics increased 2.4% from July, but exports fell, dropping 3.8%

Employment totaled 1.8 million in August, 47% of those being production workers.

The composite factory price index dropped 0.2% in September from the prior month and 2% from the prior year. Prices have declined at an annualized rate of 2.3% thus far in 1992.

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Electronic Components
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	5,051	4,802	5.2%	5,329	4,893	8.9%	43,406	41,795	3.9%
New Orders	5,347	4,939	8.3%	5,345	4,646	15.0%	44,053	41,814	5.4%
Production	5,100	4,870	4.7%	5,292	4,722	12.1%	43,555	41,639	4.6%
Inventory	8,092	8,044	0.6%	8,125	8,460	-4.0%	NA	NA	
Unfilled Orders	13,364	13,068	2.3%	13,069	12,168	7.4%	NA	NA	
Book/Bill Ratio	1.06	1.03	2.9%	1.00	0.95	5.6%	NA	NA	
Inv/Sales Ratio	1.60	1.67	-4.4%	1.52	1.73	-11.8%	NA	NA	
Unf/Sales Ratio	2.65	2.72	-2.8%	2.45	2.49	-1.4%	NA	NA	
Prod/Sales Ratio	1.01	1.01	-0.4%	0.99	0.96	2.9%	NA	NA	

Electronic Components Economic Summary

Factory sales of components increased sharply in September, rising 5.2% to their highest level of the year. Sales increased at an annualized rate of 15% in the third quarter compared to the previous quarter, while total third quarter sales increased 5.2% from the prior year. New orders also rose to their highest level of 1992 in September and rose at an annualized rate of 27% in the third quarter.

Imports of components gained 2.7% in August. Exports meanwhile, fell 4.6%, primarily due to a 7.4% drop in solid state exports.

The number of employees in the components industry dropped 3.1% in August from the prior year, while the number of production workers fell 2.0%.

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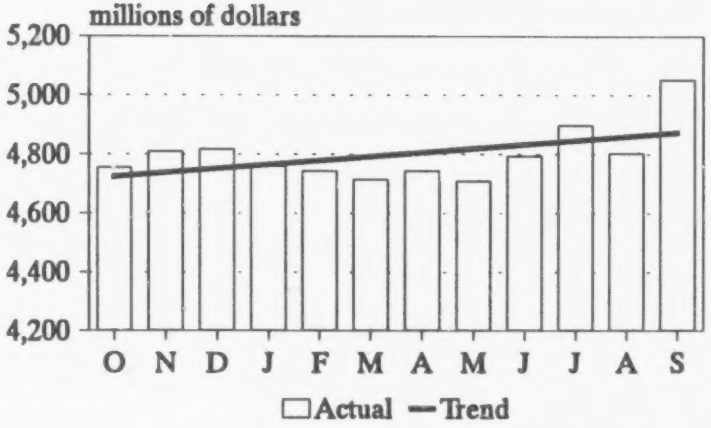
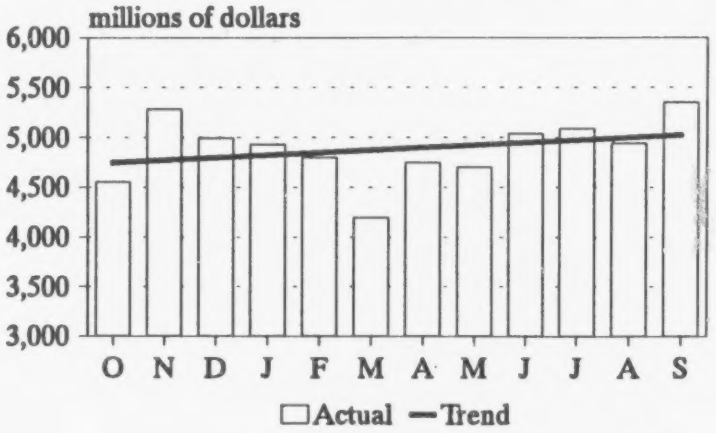
Electronics Components U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

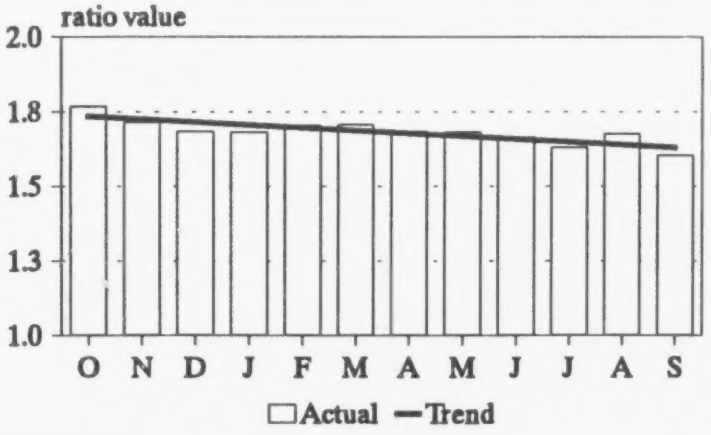
Factory Sales



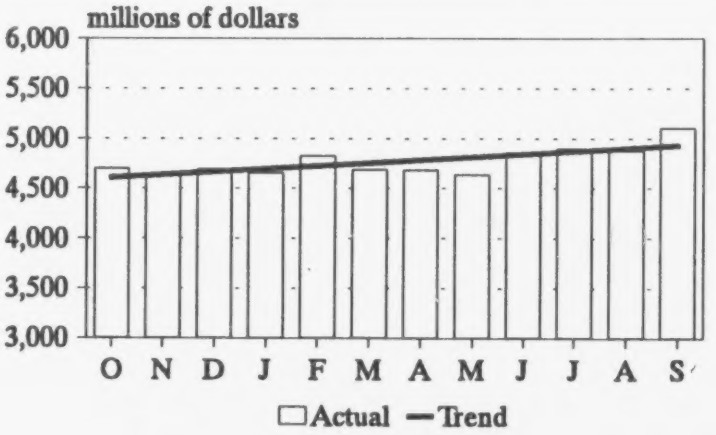
New Orders



Inventory/Sales Ratio



Production



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Electronic Components Foreign Trade Summary

Import/Export Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
IMPORTS	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Electron Tubes	48	47	2.1%	51	49	4.1%	418	344	21.5%
Passive Components	747	721	3.6%	749	698	7.3%	5,752	5,777	-0.4%
Solid State Products	1,264	1,237	2.2%	1,269	1,097	15.7%	9,954	8,510	17.0%
Total Components	2,059	2,005	2.7%	2,069	1,844	12.2%	16,124	14,631	10.2%
EXPORTS									
Electron Tubes	59	52	13.5%	60	52	15.4%	439	431	2.0%
Passive Components	439	430	2.1%	449	502	-10.6%	3,741	3,840	-2.6%
Solid State Products	1,285	1,387	-7.4%	1,285	1,187	8.3%	10,299	9,622	7.0%
Total Components	1,783	1,869	-4.6%	1,794	1,741	3.0%	14,479	13,893	4.2%
BALANCE									
Electron Tubes	11	5	NA	9	3	NA	21	86	-75.7%
Passive Components	(308)	(291)	5.8%	(300)	(196)	53.1%	(2,010)	(1,937)	3.8%
Solid State Products	21	150	NA	16	90	-82.2%	345	1,113	-69.0%
Total Components	(276)	(136)	102.9%	(275)	(103)	167.0%	(1,644)	(738)	122.8%

Import/Export Country Summary August 1992

(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Japan	4,477,092	27.8%	Canada	3,088,510	21.3%
Canada	1,804,204	11.2%	Mexico	1,450,224	10.0%
Mexico	1,582,915	9.8%	Singapore	1,177,697	8.1%
S. Korea	1,427,699	8.9%	Japan	1,135,424	7.8%
Malaysia	1,381,975	8.6%	Malaysia	1,095,715	7.6%
Taiwan	1,315,391	8.2%	Taiwan	993,672	6.9%
Singapore	1,106,883	6.9%	U.K.	870,721	6.0%
Phillipines	525,684	3.3%	S. Korea	694,625	4.8%
Germany	435,994	2.7%	Hong Kong	678,909	4.7%
Hong Kong	435,602	2.7%	Phillipines	426,784	2.9%
Other	1,631,927	10.1%	Other	2,868,432	19.8%

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Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Cathode Ray Tubes	36,301	38,885	2,584	306,562	286,896	(19,666)
Receiving Tubes	46	474	429	1,890	4,432	2,542
Power and Special Purpose Tubes	14,426	20,628	6,202	110,245	147,774	37,529
Capacitors	49,189	49,059	(130)	396,391	384,026	(12,365)
Resistors	34,139	17,206	(16,932)	251,646	140,726	(110,919)
Relays	37,413	26,253	(11,160)	283,817	220,905	(62,913)
Connectors	45,214	30,889	(14,324)	340,838	239,698	(101,140)
Electronic Wire	81,789	77,363	(4,427)	632,546	699,438	66,892
Transformers	13,326	3,437	(9,889)	94,938	26,907	(68,031)
Power Supplies	87,981	11,923	(76,058)	668,766	90,800	(577,966)
Printed Circuits and Boards	98,673	76,406	(22,268)	863,706	787,484	(76,223)
Parts of TV/Audio Apparatus	212,274	123,244	(89,030)	1,563,363	899,829	(663,534)
Indicator Panels	32,485	5,539	(26,946)	245,177	31,694	(213,483)
Switches	14,884	2,444	(12,441)	112,043	18,982	(93,061)
Piezoelectric Crystals	14,235	4,221	(10,015)	106,782	31,643	(75,138)
Other Parts	27,582	21,360	(6,222)	192,730	169,699	(23,031)
Integrated Circuits						
EPROMs	58,476	20,952	(37,524)	391,120	175,721	(215,399)
Microprocessors	90,020	105,558	15,538	630,802	850,470	219,668
DRAMs	289,014	132,863	(156,151)	2,268,843	954,416	(1,314,427)
SRAMs	48,936	18,989	(29,947)	423,404	181,734	(241,670)
Analog	106,893	55,416	(51,478)	842,104	460,988	(381,116)
Other	418,161	286,635	(131,526)	3,379,126	2,206,648	(1,172,478)
Diodes	31,528	13,305	(18,224)	245,195	118,334	(126,861)
Transistors	45,437	5,036	(40,401)	354,879	42,389	(312,490)
Chips, Wafers, and Parts all Types	152,431	625,150	472,719	1,201,964	5,148,321	3,946,357
Other Semiconductor Devices	27,368	15,703	(11,665)	206,231	127,616	(78,615)
Solar Cells	1,036	5,811	4,775	10,259	33,146	22,886
Total	2,069,257	1,794,748	(274,509)	16,125,366	14,480,713	(1,644,653)

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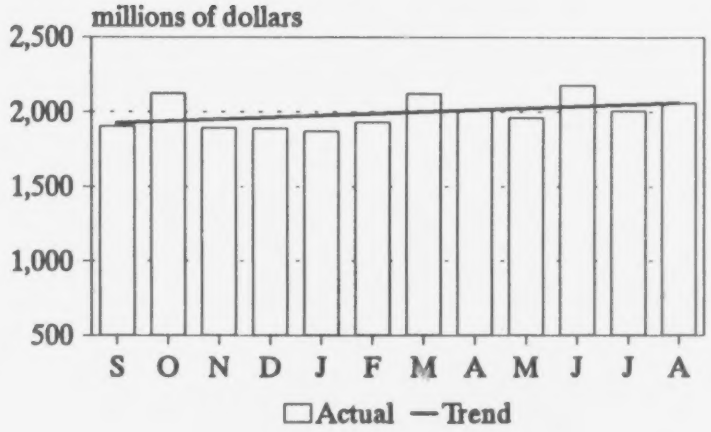
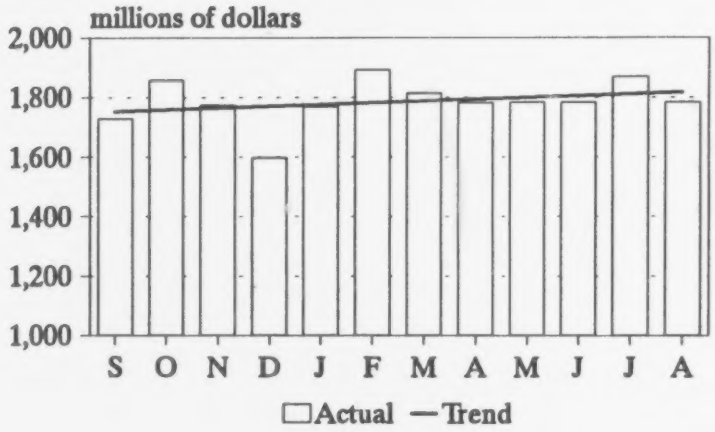
Electronic Components Trade Trends August 1992

(all data seasonally adjusted)

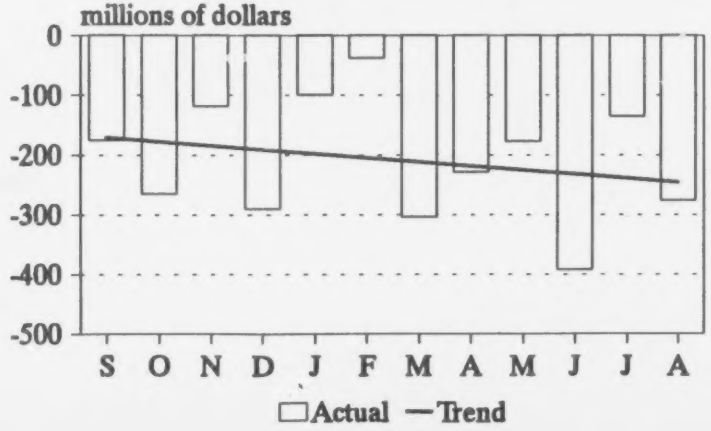
Imports



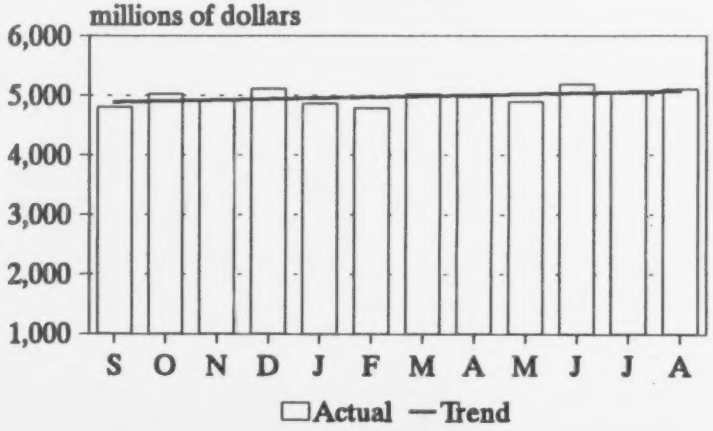
Exports



Balance of Trade



Consumption



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Electronic Component Employment August 1992

(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	345.3	352.5	-2.0%	347.5	-0.6%
Electron Tubes	17.0	18.4	-7.6%	17.1	-0.6%
Semiconductors	93.7	92.5	1.3%	94.0	-0.3%
Other	234.6	241.6	-2.9%	236.4	-0.8%
ALL EMPLOYEES	593.7	612.9	-3.1%	597.1	-0.6%
Electron Tubes	25.5	27.7	-7.9%	25.7	-0.8%
Semiconductors	224.4	229.7	-2.3%	225.6	-0.5%
Other	343.8	355.5	-3.3%	345.8	-0.6%
HOURLY WAGE INDEX	118.5	113.6	4.3%	118.8	-0.3%
ANNUAL SALES/EMP	$95,536	$88,168	8.4%	$95,021	0.5%

Electronic Component Producer Price Indices September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	99.1	99.9	-0.8%	99.2	-0.1%
CRTs	98.2	98.6	-0.4%	98.2	NA
Capacitors	100.5	101.5	-1.0%	100.6	-0.1%
Resistors	99.5	97.8	1.8%	102.9	-3.3%
Relays	111.7	101.7	9.8%	111.7	NA
Switches	103.7	102.5	1.1%	102.3	1.4%
Connectors	107.5	105.7	1.8%	106.7	0.8%
Filters	105.5	103.8	1.6%	105.5	0.1%
Antennae	88.5	89.5	-1.2%	88.6	-0.2%
Diodes	97.4	100.0	-2.6%	99.1	-1.7%
Transistors	98.7	99.8	-1.1%	98.7	0.1%
Semiconductors	81.8	97.6	-16.1%	94.6	-13.5%
Printed Circuits	99.7	99.5	0.2%	99.3	0.4%
Electronic Wire	99.5	100.0	-0.5%	99.2	0.3%

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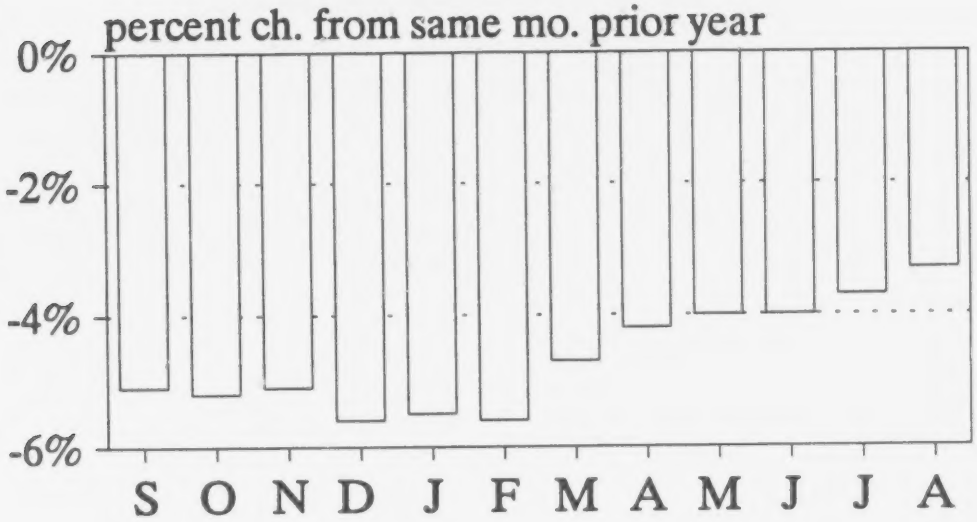
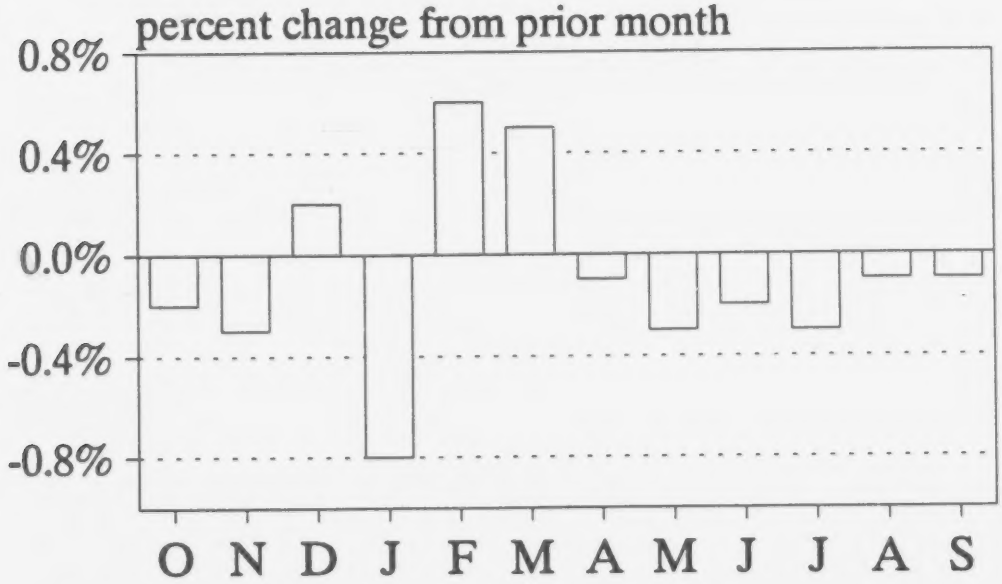
Electronic Components
All Employees August 1992



Electronic Components
Composite Price Index September 1992



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Domestically-Produced Consumer Electronics
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales[5]	833	904	-7.9%	923	952	-3.0%	7,329	6,441	13.8%
Inventory	1,409	1,402	0.5%	1,491	1,377	8.3%	NA	NA	
Inv/Sales Ratio	1.69	1.55	9.0%	1.61	1.45	11.6%	NA	NA	

Total Consumer Electronics Sales Including Imports
September 1992
(not seasonally adjusted millions of dollars)

	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
VIDEO PRODUCTS	1,519	1,571	-3.3%	8,706	8,056	8.1%
Color TVs	879	854	3.0%	4,768	4,368	9.1%
VCR Decks	314	343	-8.5%	1,974	1,650	19.6%
Camcorders	193	262	-26.3%	1,252	1,408	-11.1%
Other	133	111	18.9%	713	630	13.2%
AUDIO PRODUCTS	1,029	881	16.8%	7,206	6,787	6.2%
Portable	305	232	31.3%	1,699	1,432	18.7%
Home Components	165	171	-3.5%	1,106	1,308	-15.5%
Autosound	424	346	22.4%	3,467	3,179	9.1%
Audio Systems	137	133	3.0%	933	868	7.5%
HOME INFORMATION EQUIPMENT	993	906	9.5%	7,945	7,417	7.1%
BLANK MEDIA AND ACCESSORIES	357	344	3.6%	2,971	2,879	3.2%
TOTAL[7]	3,898	3,703	5.3%	26,827	25,139	6.7%

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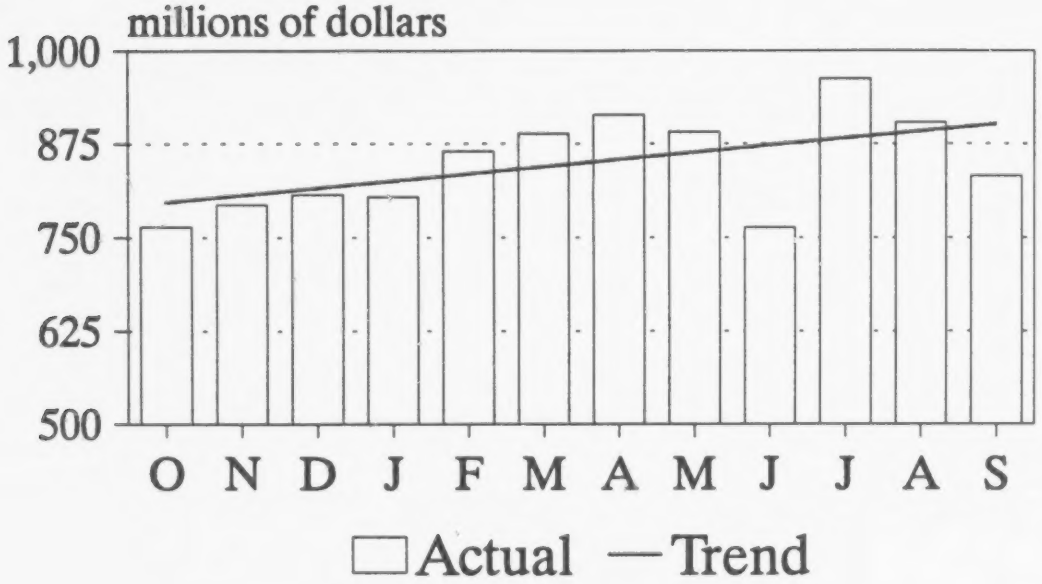
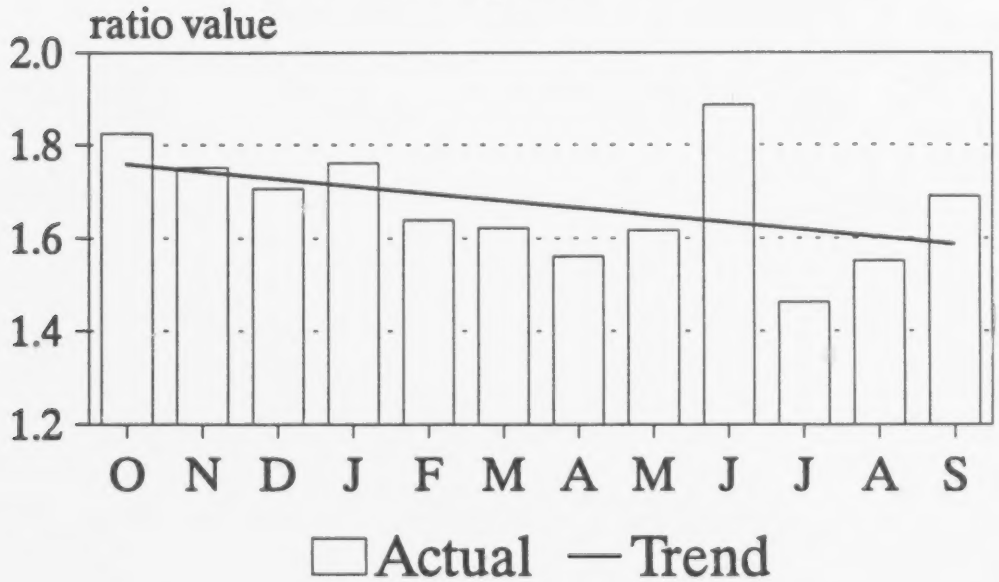
Domestically Produced Consumer Electronics
U.S. Factory Trends September 1992

Factory Sales



Inventory/Sales



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Consumer Electronics Foreign Trade Summary

Import/Export Summary August 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	1,397	1,429	-2.2%	1,530	1,334	14.7%	9,930	8,441	17.6%
Exports	244	265	-7.9%	240	213	12.7%	1,958	1,636	19.7%
Balance	(1,153)	(1,164)	-0.9%	(1,290)	(1,121)	15.1%	(7,971)	(6,805)	17.1%

Import/Export Country Summary August 1992
(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Japan	4,613,067	46.5%	Canada	490,847	25.1%
Korea	1,022,204	10.3%	Mexico	311,077	15.9%
Malaysia	1,007,122	10.1%	Japan	180,103	9.2%
Mexico	966,354	9.7%	Taiwan	91,156	4.7%
China	685,960	6.9%	Germany	80,102	4.1%
Taiwan	425,355	4.3%	U.K.	73,114	3.7%
Singapore	422,441	4.3%	Netherlands	68,230	3.5%
Thailand	342,873	3.5%	Argentina	65,576	3.3%
Indonesia	93,364	0.9%	Hong Kong	54,023	2.8%
Hong Kong	81,912	0.8%	Venezuela	50,533	2.6%
Other	268,853	2.7%	Other	493,166	25.2%

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Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Color TV Receivers	187,533	42,006	(145,527)	1,184,387	321,808	(862,579)
Monochrome TV Receivers	8,251	3,815	(4,436)	62,010	39,935	(22,075)
VCR Decks	283,251	18,234	(265,017)	1,894,795	138,687	(1,756,108)
Camcorders	142,754	0	(142,754)	895,840	0	(895,840)
Videocassette Players	7,313	0	(7,313)	66,612	0	(66,612)
Laserdisc Players	13,016	4,916	(8,100)	104,836	45,719	(59,117)
Portable Audio Equipment	125,623	5,704	(119,918)	870,323	60,480	(809,844)
Separate Audio Components	282,383	83,815	(198,567)	1,756,827	669,504	(1,087,323)
Home Radios	17,779	516	(17,263)	97,465	3,146	(94,319)
Home Radio/Tape Combinations	120,148	2,829	(117,319)	687,929	30,957	(656,972)
Autosound Equipment	112,622	23,670	(88,953)	908,364	190,144	(718,219)
Blank Media	64,229	35,215	(29,015)	511,062	279,000	(232,062)
Video Games	165,005	19,404	(145,601)	889,055	178,546	(710,509)
Total	1,529,907	240,125	(1,289,783)	9,929,505	1,957,927	(7,971,578)

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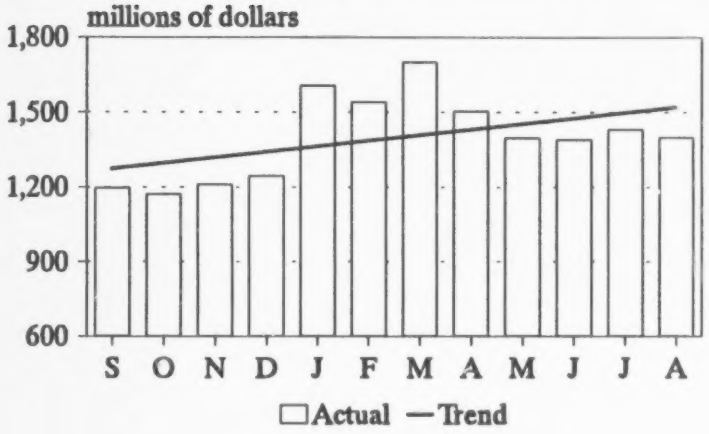
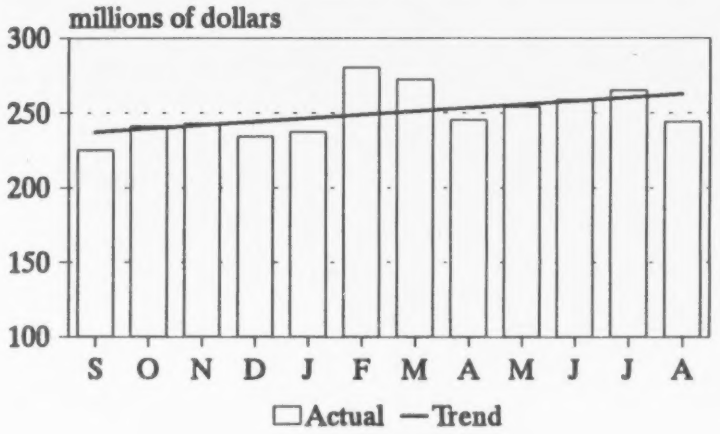
Consumer Electronics Trade Trends August 1992

(all data seasonally adjusted)

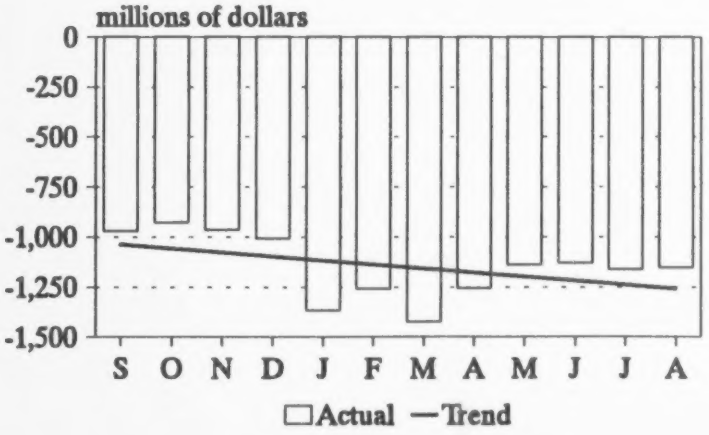
Imports



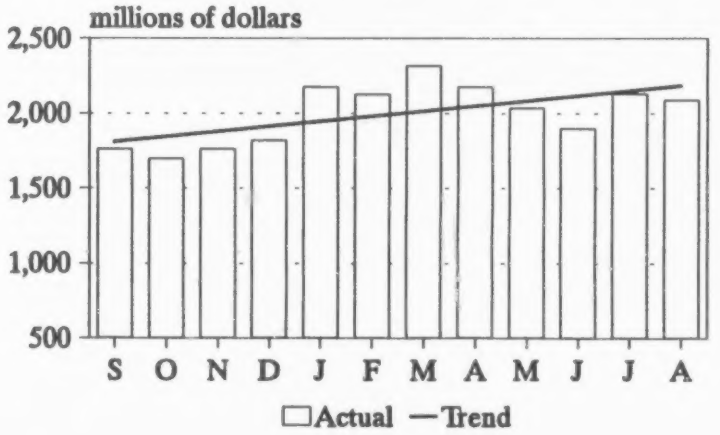
Exports



Balance of Trade



Consumption



Consumer Electronics Employment August 1992
(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	39.4	38.8	1.5%	39.5	-0.3%
ALL EMPLOYEES	60.6	59.9	1.2%	60.6	NA
HOURLY WAGE INDEX	116.8	114.6	1.9%	119.1	-1.9%
ANNUAL SALES/EMP	$169,286	$144,672	17.0%	$166,844	1.5%

Consumer Electronics Producer Price Indices September 1992
(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX[1]	95.5	96.4	-0.9%	96.2	-0.8%
Home Audio	85.3	85.5	-0.3%	90.9	-6.2%
Portable Audio	91.8	101.0	-9.1%	93.5	-1.8%
Autosound	97.9	94.4	3.7%	97.9	NA
Audio Systems	100.2	93.6	7.0%	99.7	0.5%
Color TV	95.9	97.6	-1.7%	96.3	-0.4%
Projection TV	93.7	99.8	-6.1%	94.7	-1.1%
VCR Decks	100.6	97.2	3.5%	100.0	0.6%
Camcorders	86.3	92.5	-6.7%	87.2	-1.0%

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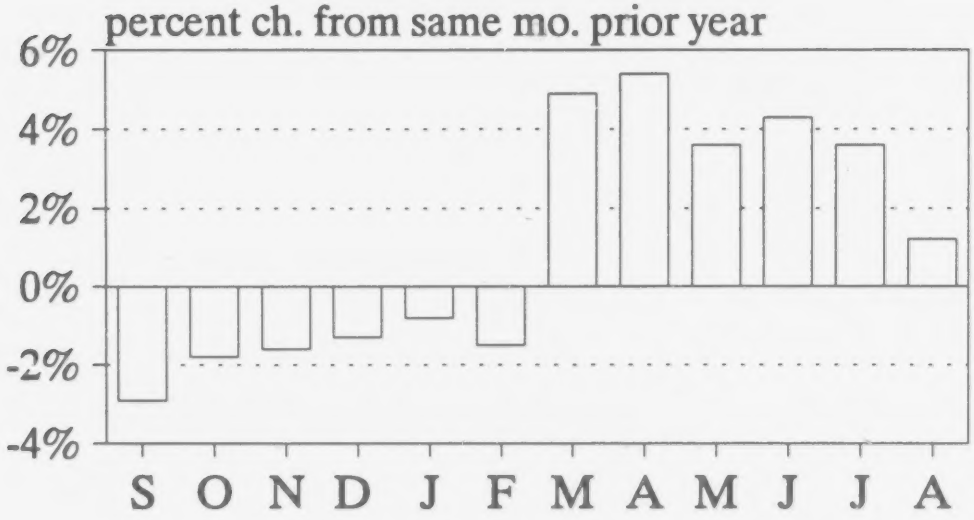
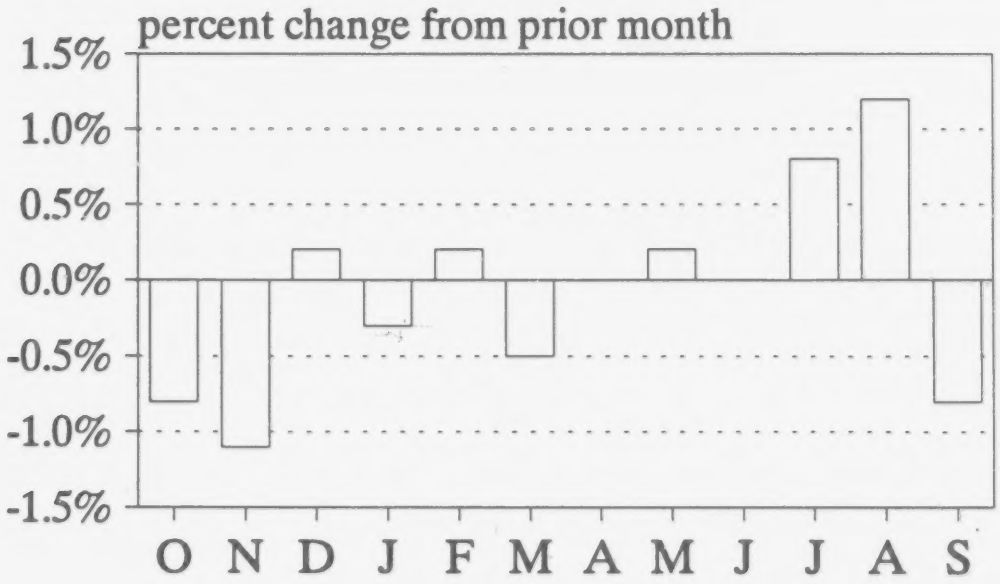
Consumer Electronics
All Employees August 1992



Consumer Electronics
Composite Price Index September 1992



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Telecommunications Equipment
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	3,543	3,199	10.7%	3,911	3,352	16.7%	28,585	25,590	11.7%
New Orders	3,661	3,165	15.7%	4,034	3,223	25.2%	28,700	23,978	19.7%
Production	3,432	3,299	4.0%	3,608	3,163	14.1%	28,619	26,062	9.8%
Inventory	7,312	7,423	-1.5%	7,234	7,122	1.6%	NA	NA	
Unfilled Orders	12,398	12,280	1.0%	12,390	12,346	0.4%	NA	NA	
Book/Bill Ratio	1.03	0.99	4.5%	1.03	0.96	7.3%	NA	NA	
Inv/Sales Ratio	2.06	2.32	-11.1%	1.85	2.12	-12.9%	NA	NA	
Unf/Sales Ratio	3.50	3.84	-8.8%	3.17	3.68	-14.0%	NA	NA	
Prod/Sales Ratio	0.97	1.03	-6.1%	0.92	0.94	-2.2%	NA	NA	

Telecommunications Equipment Economic Summary

After increasing 16.7% from the prior year in September, factory sales of telecommunications equipment ended the third quarter up 11.7% over the first three quarters of 1991. Sales were particularly strong in the third quarter, ~~with sales~~ up at ~~an amazing~~ robust annualized rate of 57% compared to the prior quarter.

Imports of telecommunications equipment rose 1% in August to $682 million, but exports lost 8.3% from ~~the prior month in August~~ July.

Total employment in August fell 7.2% from the prior year, and the number of production workers dropped 6.7% in the same period.

The producer price index for telecommunications equipment continued to show a marginal 1% gain over the prior year after falling fractionally in September.

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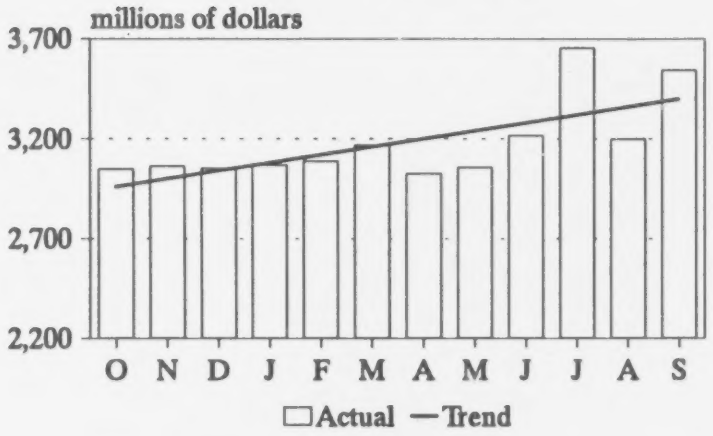
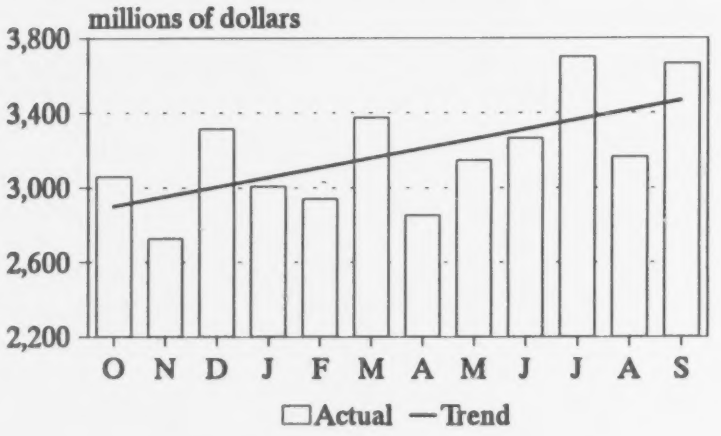
Telecommunications Equipment U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

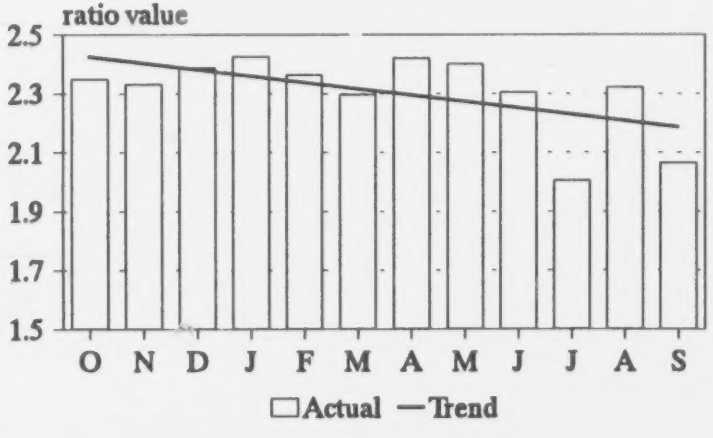
Factory Sales



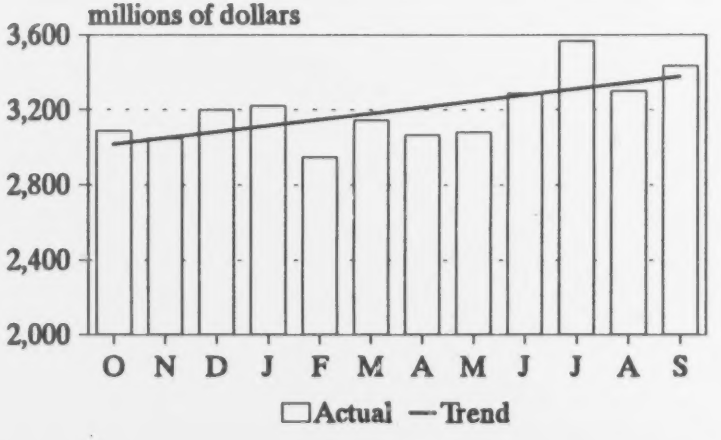
New Orders



Inventory/Sales Ratio



Production



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Telecommunications Foreign Trade Summary

Import/Export Summary August 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	682	675	1.0%	689	595	15.8%	5,237	4,660	12.4%
Exports	606	661	-8.3%	609	592	2.9%	5,231	4,838	8.1%
Balance	(76)	(14)	NA	(80)	(3)	NA	(6)	178	NA

Import/Export Country Summary August 1992
(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Japan	1,883,371	36.0%	Canada	846,999	16.2%
Canada	610,757	11.7%	Mexico	719,900	13.8%
Malaysia	422,936	8.1%	Japan	374,139	7.2%
Taiwan	407,163	7.8%	U.K.	328,243	6.3%
China	336,527	6.4%	Taiwan	205,353	3.9%
Mexico	263,560	5.0%	Germany	190,245	3.6%
S. Korea	216,477	4.1%	Australia	186,047	3.6%
Thailand	194,183	3.7%	Korea	183,395	3.5%
Singapore	181,090	3.5%	Italy	138,935	2.7%
Phillipines	149,145	2.8%	Netherlands	130,312	2.5%
Other	571,520	10.9%	Other	1,927,095	36.8%

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Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Telephone Sets and Parts	92,636	12,842	(79,794)	681,990	153,406	(528,584)
Telephonic Apparatus and Parts	86,041	154,448	68,407	725,273	1,136,371	411,097
Telegraphic Apparatus and Parts	54,046	57,033	2,987	367,218	511,041	143,823
Radio Transmitters	4,865	26,541	21,676	36,586	194,290	157,704
Radio Receivers	19,802	19,275	(527)	137,644	163,152	25,508
Radio Transceivers	56,679	60,127	3,448	400,386	605,327	204,941
Telephone Answering Devices	28,910	10,635	(18,275)	194,453	85,300	(109,154)
TV Transmission/Reception App	117,627	141,695	24,067	981,114	1,274,160	293,045
Cellular Telephones	30,030	45,802	15,772	250,227	450,693	200,466
Facsimile Machines	83,470	0	(83,470)	607,270	0	(607,270)
Cordless Telephones	82,321	8,621	(73,701)	598,697	84,623	(514,074)
Modems	13,429	29,918	16,489	106,506	238,293	131,787
Paging Alert Devices	168	76	(92)	2,426	454	(1,972)
Fiber Optic Cable	5,222	15,700	10,478	36,552	102,739	66,187
Other Cable and Parts	13,946	26,246	12,300	110,387	230,814	120,427
Total	689,193	608,960	(80,232)	5,236,729	5,230,663	(6,067)

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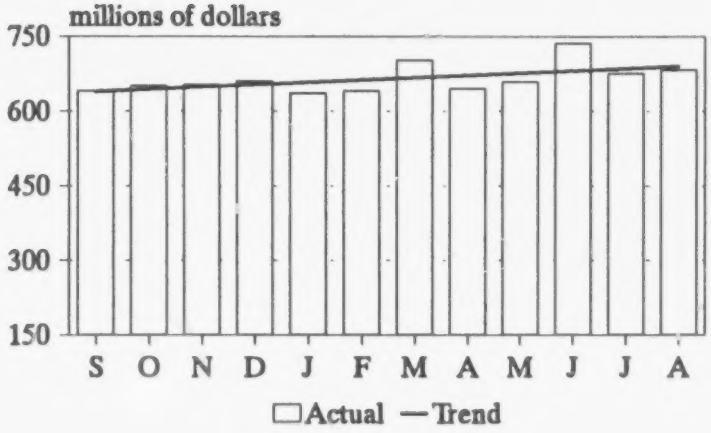
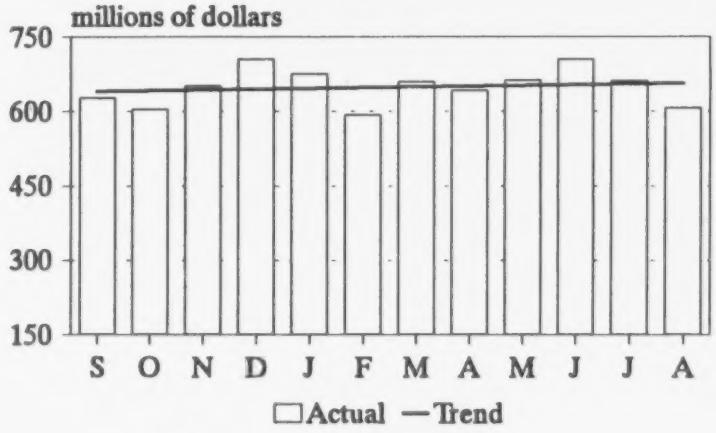
Telecommunications Trade Trends August 1992

(all data seasonally adjusted)

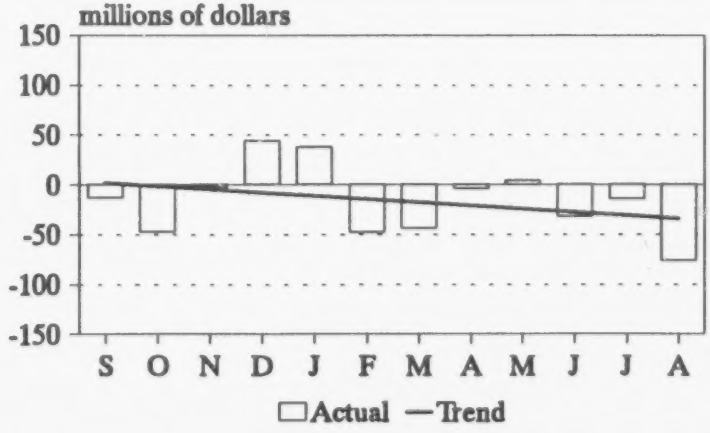
Imports



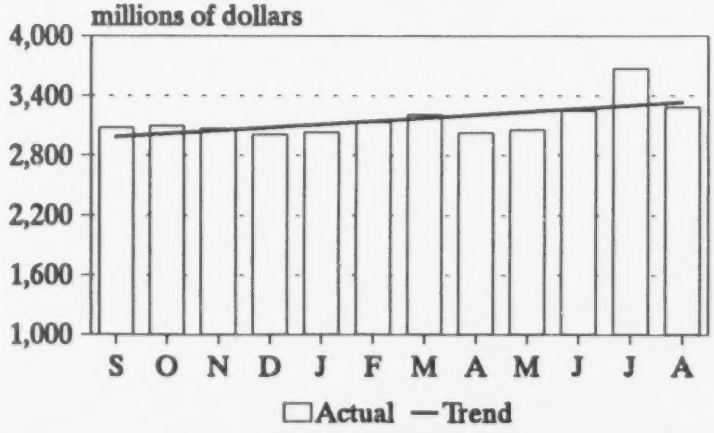
Exports



Balance of Trade



Consumption



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Telecommunications Equipment Employment August 1992

(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	120.9	129.6	-6.7%	120.6	0.2%
Telephone Equip.	61.7	66.9	-7.8%	61.2	0.8%
Other	59.2	62.7	-5.6%	59.4	-0.3%
ALL EMPLOYEES	237.0	255.4	-7.2%	237.3	-0.1%
Telephone Equip.	111.9	121.9	-8.2%	111.7	0.2%
Other	125.1	133.5	-6.3%	125.6	-0.4%
HOURLY WAGE INDEX	108.4	108.1	0.3%	109.0	-0.5%
ANNUAL SALES/EMP	$117,664	$101,254	16.2%	$115,979	1.5%

Telecommunications Equipment Producer Price Indices September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	103.4	102.4	1.0%	103.5	-0.1%
Line Transmission	98.6	98.3	0.3%	98.6	NA
Switching Equipment	104.6	103.4	1.2%	104.6	NA
Telephone Sets	94.1	95.1	-1.0%	94.2	-0.1%
Other Telephone	101.1	102.5	-1.4%	103.0	-1.9%
Broadcast Equipment	103.7	102.3	1.3%	103.7	NA
Mobile Communications	105.0	103.1	1.9%	104.5	0.5%
Intercom Systems	101.4	101.3	0.1%	101.5	-0.1%
Fiber Optic Cable	103.9	104.0	-0.1%	103.9	NA

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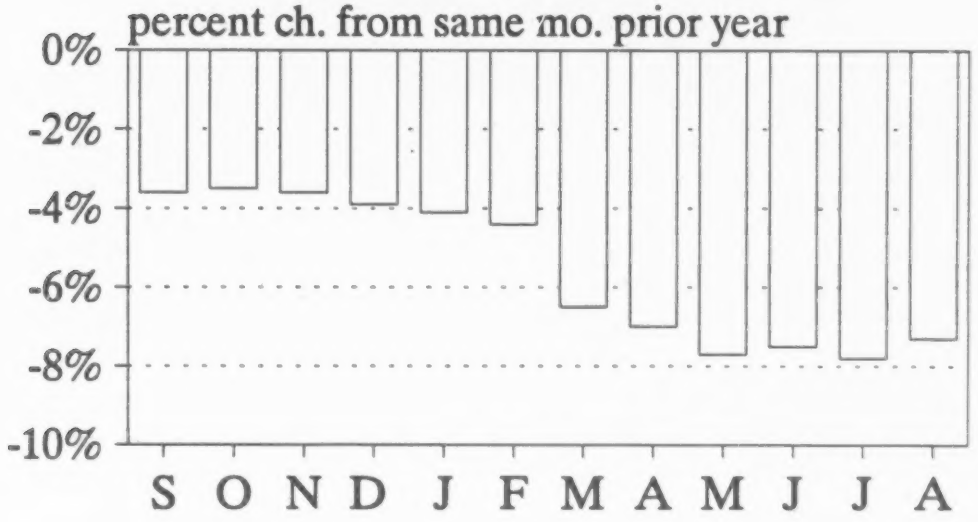
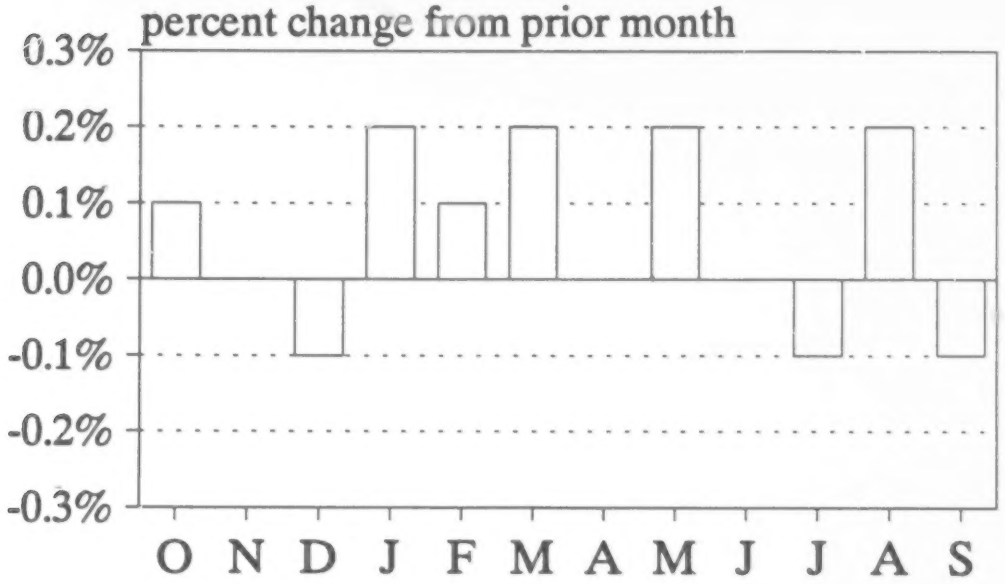
Telecommunications
All Employees August 1992



Telecommunications
Composite Price Index September 1992



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Other Specialized Communications
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	2,465	2,395	2.9%	2,672	2,769	-3.5%	21,774	23,484	-7.3%
New Orders	2,507	1,924	30.3%	2,738	2,531	8.2%	18,534	21,347	-13.2%
Production	2,415	2,300	5.0%	2,458	2,500	-1.7%	21,171	23,164	-8.6%
Inventory	6,678	6,728	-0.7%	6,672	7,750	-13.9%	NA	NA	
Unfilled Orders	32,499	32,457	0.1%	32,270	36,760	-12.2%	NA	NA	
Book/Bill Ratio	1.02	0.80	26.6%	1.02	0.91	12.1%	NA	NA	
Inv/Sales Ratio	2.71	2.81	-3.6%	2.50	2.80	-10.8%	NA	NA	
Unf/Sales Ratio	13.18	13.55	-2.7%	12.08	13.28	-9.0%	NA	NA	
Prod/Sales Ratio	0.98	0.96	2.0%	0.92	0.90	1.8%	NA	NA	

Other Specialized Communications Economic Summary

Factory sales in this sector rose 2.9% in September but this did little to slow the decline as sales fell at an annualized rate of 15% in the third quarter. The rate of decline in the third quarter was nearly twice the rate of decline for the sales in the first three quarters of 1992.

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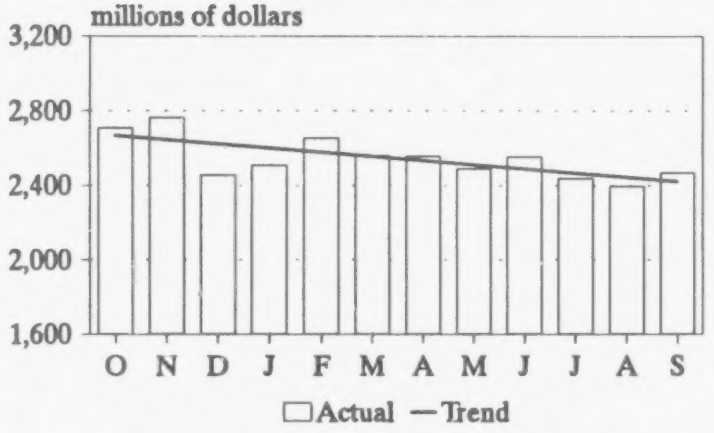
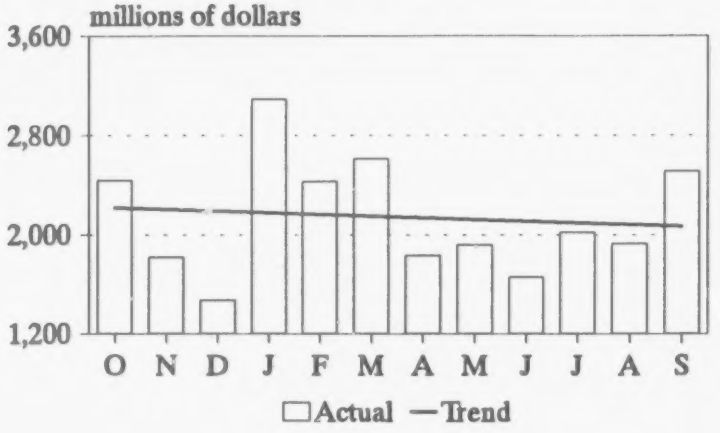
Other Communications U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

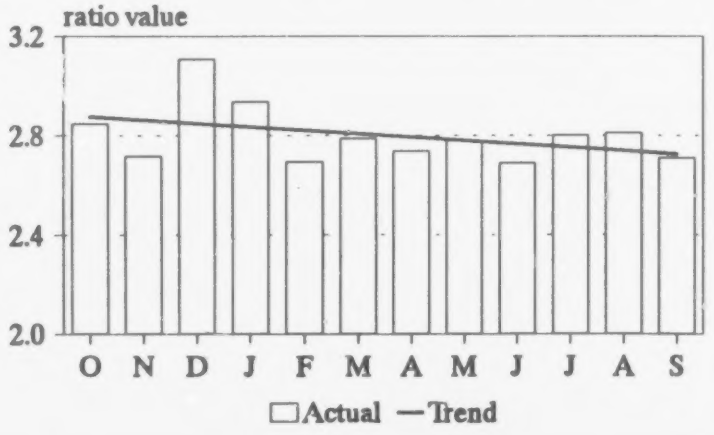
Factory Sales



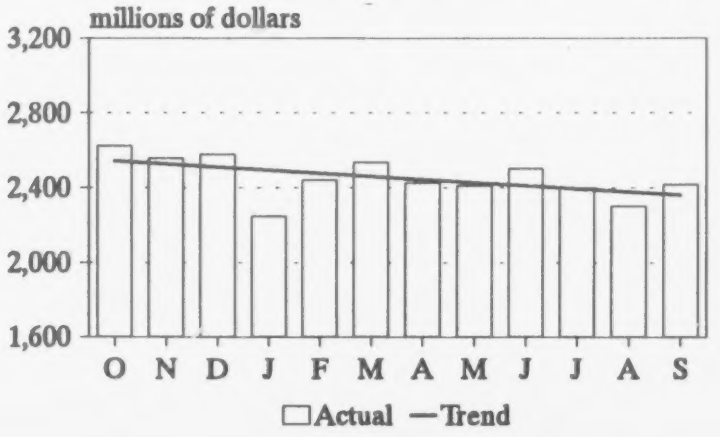
New Orders



Inventory/Sales Ratio



Production



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Other Specialized Communications Foreign Trade Summary

Import/Export Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	89	90	-1.1%	91	89	2.2%	730	689	6.0%
Exports	190	260	-26.9%	186	184	1.1%	1,667	1,683	-1.0%
Balance	101	170	-40.6%	95	95	NA	938	995	-5.8%

Import/Export Country Summary July 1992

(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Canada	126,366	17.5%	Japan	211,374	12.7%
Japan	93,766	13.0%	Canada	180,822	10.8%
U.K.	92,658	12.8%	U.K.	128,685	7.7%
France	81,206	11.2%	France	126,729	7.6%
Taiwan	70,005	9.7%	Netherlands	93,378	5.6%
Mexico	61,473	8.5%	Egypt	91,237	5.5%
Germany	40,777	5.6%	Taiwan	82,461	4.9%
S. Korea	29,427	4.1%	Germany	60,522	3.6%
China	27,764	3.8%	Israel	55,165	3.3%
Israel	27,517	3.8%	Switzerland	52,759	3.2%
Other	71,141	9.9%	Other	583,484	35.0%

Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Smoke Detectors and Other Alarms	25,193	12,584	(12,609)	155,852	118,021	(37,831)
Sound/Sight Signaling Apparatus	1,623	5,043	3,420	9,104	42,305	33,201
Radar/Radio Navigational Equip	63,988	166,628	102,640	548,509	1,492,812	944,303
Meteorological/Geophysical Instrs	643	1,321	679	8,635	13,478	4,843
Total	91,446	185,576	94,130	722,100	1,666,616	944,516

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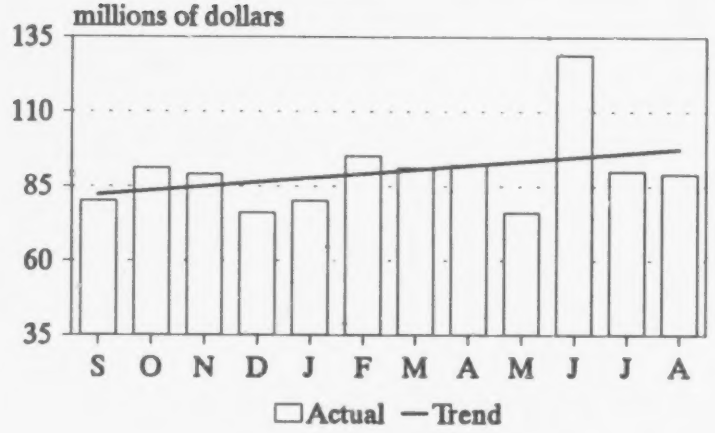
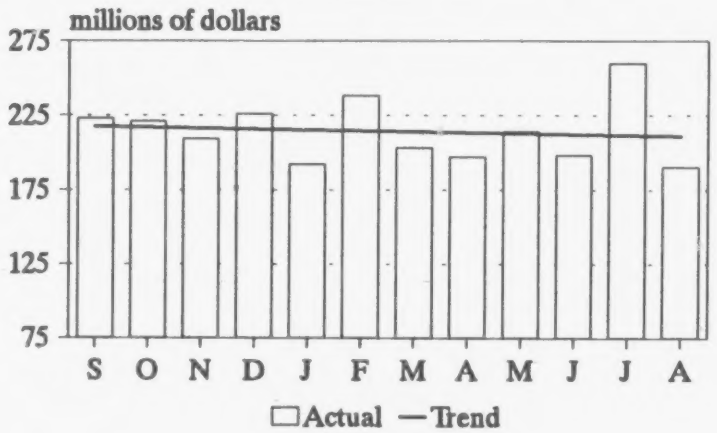
Other Communications Trade Trends August 1992

(all data seasonally adjusted)

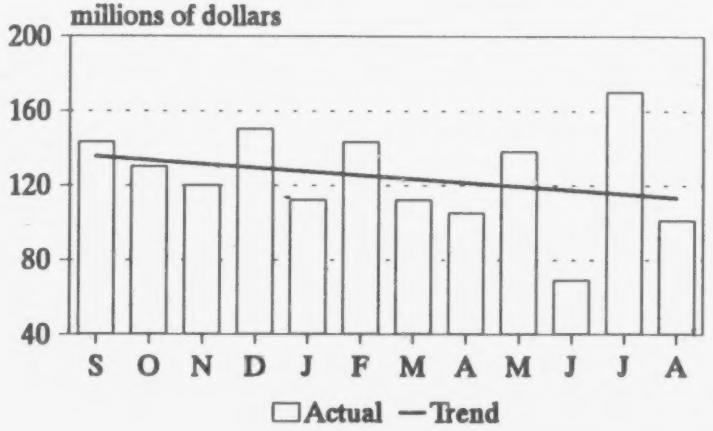
Imports



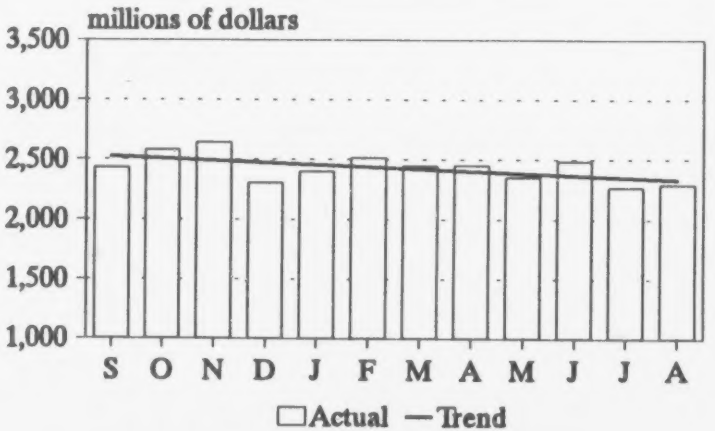
Exports



Balance of Trade



Consumption



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Other Specialized Communications Employment August 1992

(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	73.4	80.7	-9.0%	74.4	-1.3%
ALL EMPLOYEES	234.3	258.5	-9.4%	236.9	-1.1%
HOURLY WAGE INDEX	119.6	116.6	2.6%	118.8	0.7%
ANNUAL SALES/EMP	$124,187	$123,550	0.5%	$125,735	-1.2%

Other Specialized Communications Producer Price Indices September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	98.9	99.8	-1.0%	98.9	NA
Navigation Systems	101.9	102.1	-0.2%	101.9	NA
Radar Equipment	101.4	99.2	2.3%	101.3	0.1%
Defense Electronics	95.2	99.7	-4.6%	95.3	-0.1%

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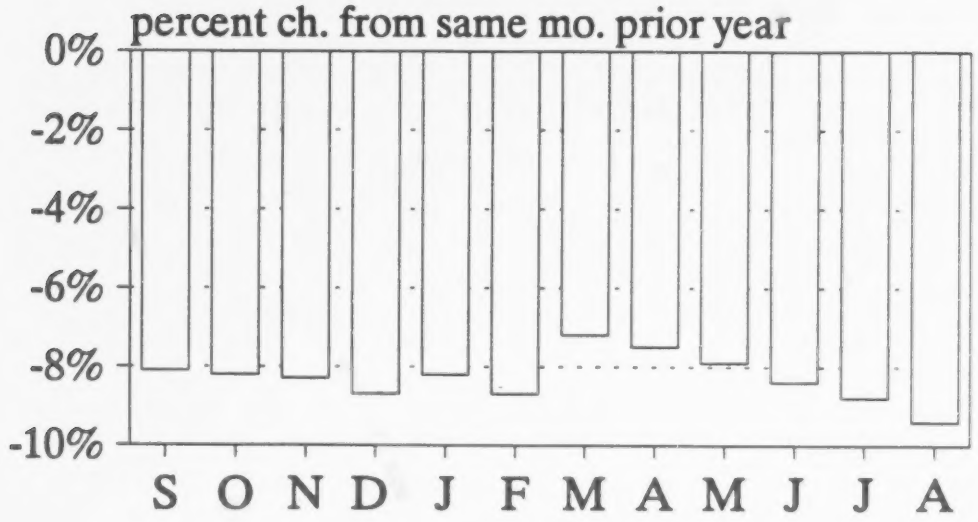
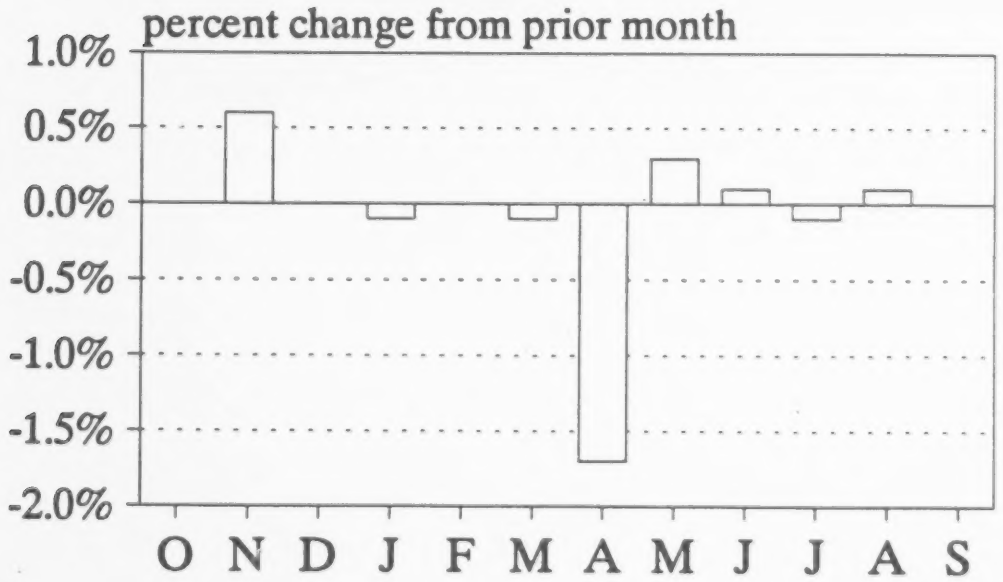
Other Communications
All Employees August 1992



Other Communications
Composite Price Index September 1992



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Computers & Peripherals
U.S. Factory Data September 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	4,841	4,963	-2.5%	6,230	5,328	16.9%	42,787	37,533	14.0%
New Orders	4,822	5,028	-4.1%	6,195	5,091	21.7%	41,876	37,860	10.6%
Production	4,696	5,125	-8.4%	5,940	5,210	14.0%	42,873	37,486	14.4%
Inventory	7,849	7,993	-1.8%	7,927	8,575	-7.6%	NA	NA	
Unfilled Orders	6,630	6,649	-0.3%	6,776	9,064	-25.2%	NA	NA	
Book/Bill Ratio	1.00	1.01	-1.7%	0.99	0.96	4.1%	NA	NA	
Inv/Sales Ratio	1.62	1.61	0.7%	1.27	1.61	-20.9%	NA	NA	
Unf/Sales Ratio	1.37	1.34	2.2%	1.09	1.70	-36.1%	NA	NA	
Prod/Sales Ratio	0.97	1.03	-6.1%	0.95	0.98	-2.5%	NA	NA	

Computer & Peripheral Economic Summary

Sales of computers & peripherals slowed perceptibly in the third quarter, gaining at an annualized rate of just 1.7%, but new order growth was very strong rising 16% on an annualized basis from the second quarter. Sales in the first three quarters of the year increased 14% to $43 billion.

Imports increased 5.2% from the prior month in August, and have increased 18% in the first eight months of the year. At the same time, exports gained 1.3% in August and 2.6% in the year-to-date.

Employment totaled 396,300 in August, but dropped 6.4% from the prior year..

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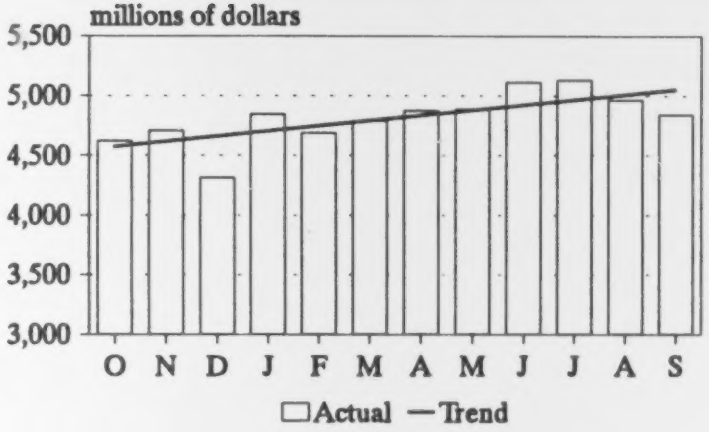
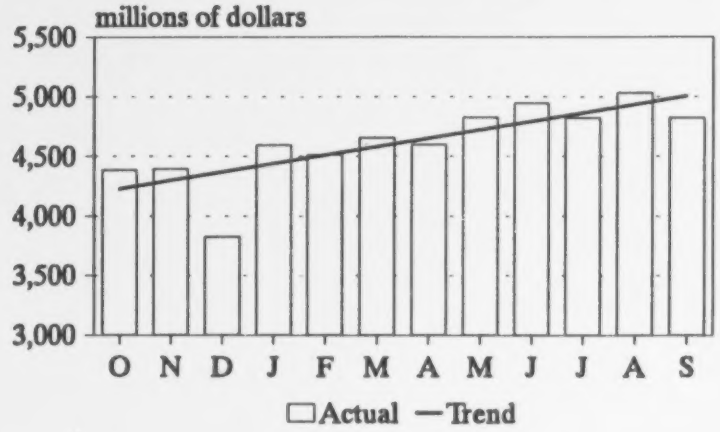
Computers & Peripherals U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

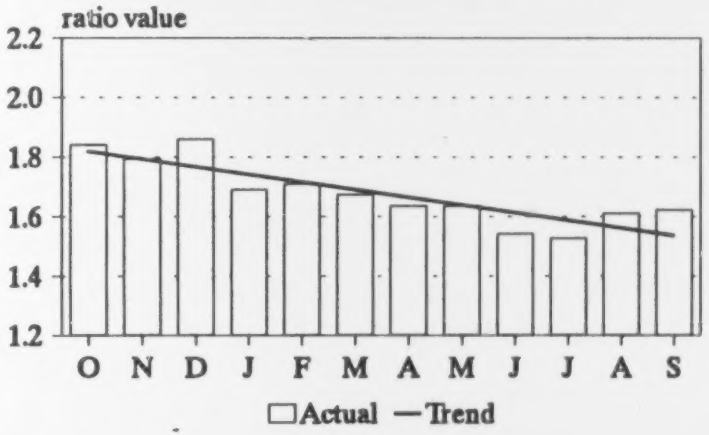
Factory Sales



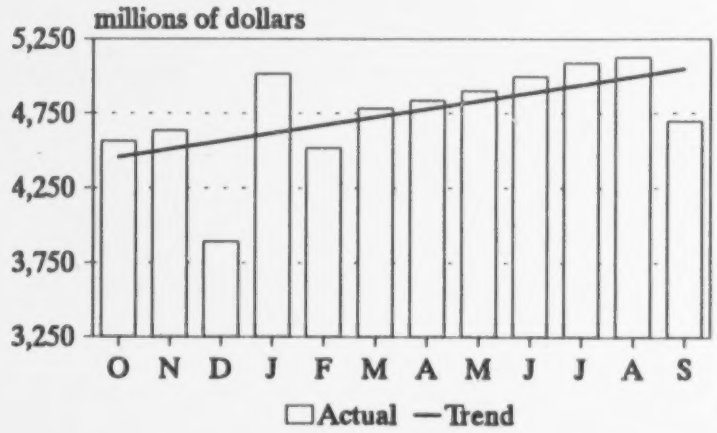
New Orders



Inventory/Sales Ratio



Production



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Computer & Peripheral Foreign Trade Summary

Import/Export Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	2,872	2,730	5.2%	2,873	2,287	25.6%	20,105	17,019	18.1%
Exports	2,460	2,429	1.3%	2,253	2,158	4.4%	19,394	18,896	2.6%
Balance	(412)	(301)	36.9%	(620)	(129)	NA	(711)	1,877	NA

Import/Export Country Summary August 1992

(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Japan	7,064,425	36.4%	Canada	3,015,443	15.5%
Singapore	3,355,561	17.3%	Japan	2,392,119	12.3%
Taiwan	2,766,341	14.3%	U.K.	1,973,167	10.2%
Canada	1,378,425	7.1%	Germany	1,845,176	9.5%
S. Korea	878,024	4.5%	Netherlands	1,232,488	6.4%
U.K.	697,925	3.6%	Singapore	953,637	4.9%
Mexico	585,999	3.0%	France	917,136	4.7%
Malaysia	549,630	2.8%	Mexico	750,604	3.9%
Thailand	527,787	2.7%	Australia	685,611	3.5%
Hong Kong	437,739	2.3%	Taiwan	413,008	2.1%
Other	1,151,668	5.9%	Other	5,215,135	26.9%

Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Computers	386,287	554,457	168,170	2,792,274	5,374,378	2,582,104
Monitors	347,179	54,762	(292,417)	2,438,992	473,272	(1,965,720)
Disk Drives and Blank Media	900,289	444,387	(455,903)	5,828,280	3,718,333	(2,109,947)
Printers	251,477	98,180	(153,296)	1,921,376	860,122	(1,061,254)
Other Computer Peripherals	70,526	102,277	31,751	517,310	801,705	284,396
Other Business Machines and Parts	917,655	998,748	81,093	6,608,199	8,165,713	1,557,514
Total	2,873,413	2,252,811	(620,602)	20,106,432	19,393,524	(712,907)

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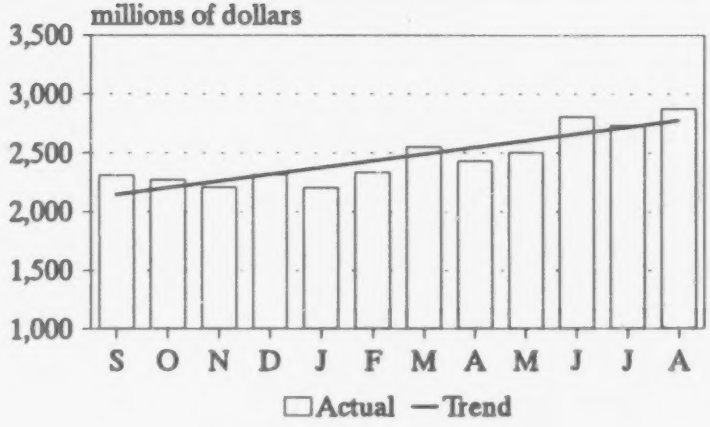
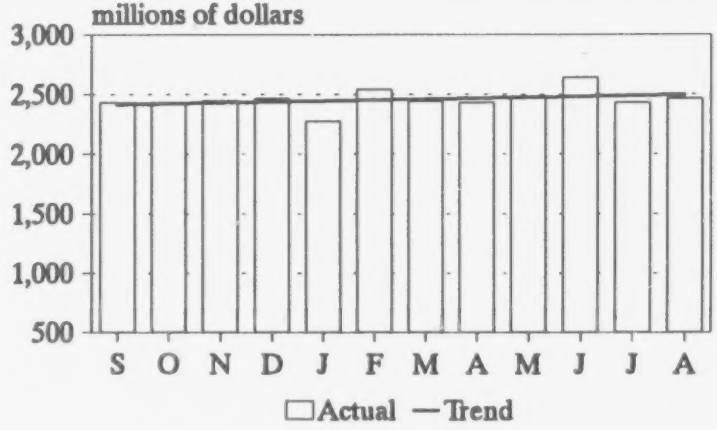
Computers & Peripherals Trade Trends August 1992

(all data seasonally adjusted)

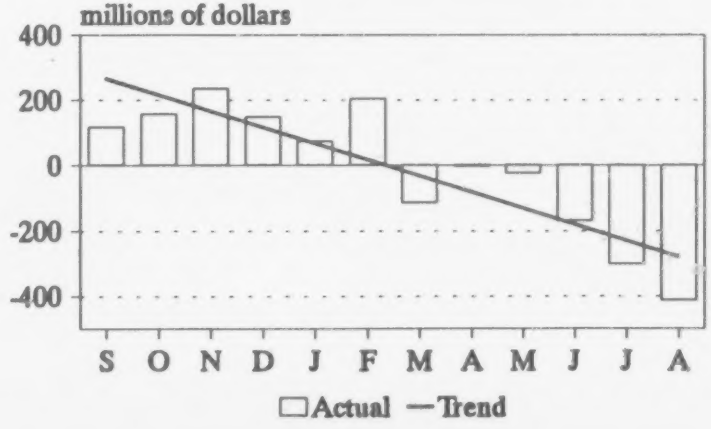
Imports



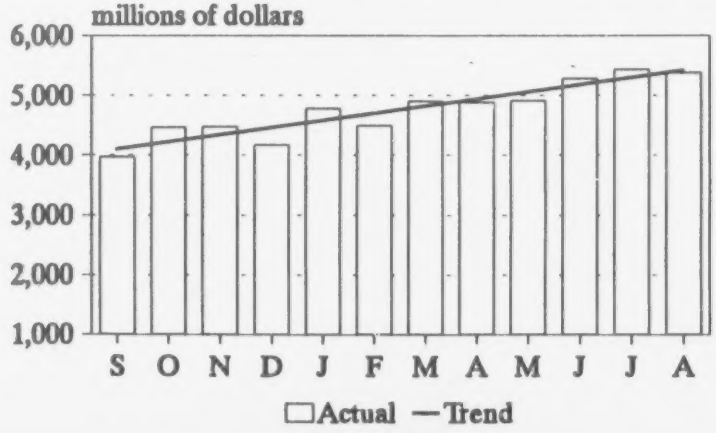
Exports



Balance of Trade



Consumption



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Computer & Peripheral Employment August 1992

(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	130.9	138.7	-5.6%	131.0	-0.1%
Computers	61.5	67.1	-8.3%	61.5	NA
Other	69.4	71.6	-3.1%	69.5	-0.1%
ALL EMPLOYEES	396.3	423.6	-6.4%	398.1	-0.5%
Computers	241.1	262.4	-8.1%	242.5	-0.6%
Other	155.2	161.2	-3.7%	155.6	-0.3%
HOURLY WAGE INDEX	116.9	115.6	1.2%	117.4	-0.4%
ANNUAL SALES/EMP	$118,308	$102,481	15.4%	$116,329	1.7%

Computer & Peripheral Producer Price Indices September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	73.9	81.4	-9.2%	74.5	-0.8%
16-bit Computers	74.1	75.1	-1.3%	74.1	NA
32-bit Computers	65.5	81.3	-19.4%	66.5	-1.5%
Hard Disks	101.8	99.9	1.9%	102.5	-0.7%
Floppy Diskettes	92.6	99.1	-6.6%	94.0	-1.5%

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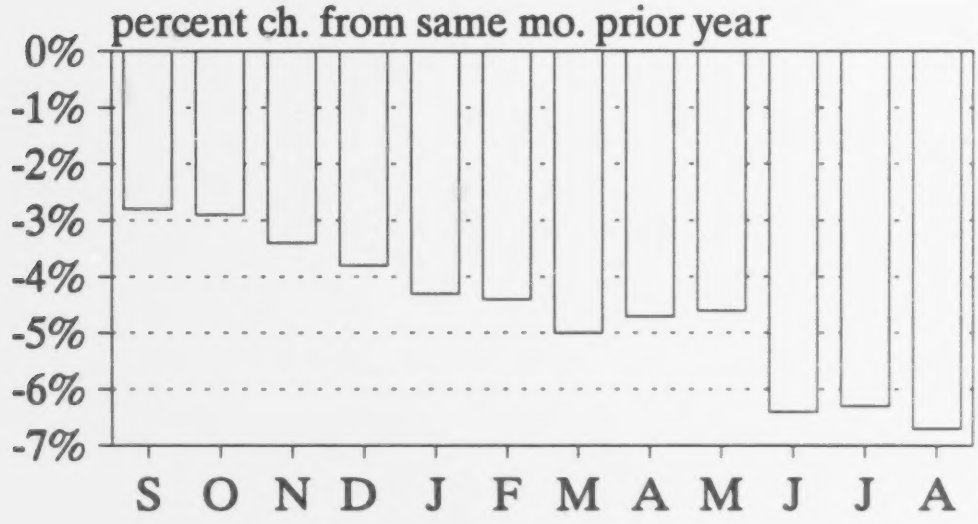
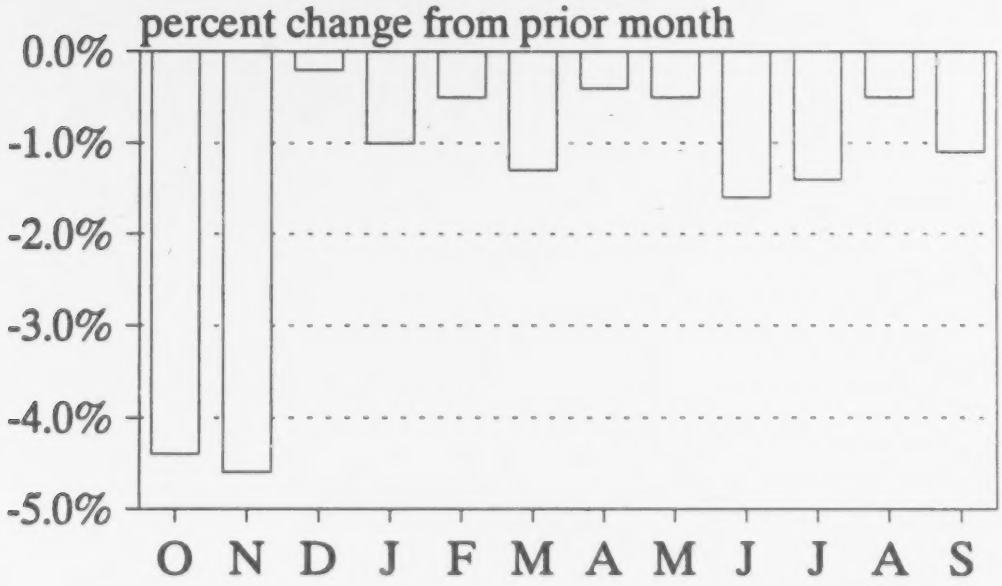
Computers & Peripherals
All Employees August 1992



Computers & Peripherals
Composite Price Index September 1992



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Industrial Electronics
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	2,127	2,076	2.5%	2,328	2,254	3.3%	18,469	18,064	2.2%
New Orders	2,066	2,088	-1.0%	2,621	2,143	22.3%	20,705	17,904	15.6%
Production	2,143	2,075	3.3%	2,268	2,188	3.6%	17,221	17,907	-3.8%
Inventory	4,505	4,489	0.4%	3,156	4,573	-31.0%	NA	NA	
Unfilled Orders	5,104	5,213	-2.1%	3,378	5,391	-37.3%	NA	NA	
Book/Bill Ratio	0.97	1.01	-3.4%	1.13	0.95	18.4%	NA	NA	
Inv/Sales Ratio	2.12	2.16	-2.1%	1.36	2.03	-33.2%	NA	NA	
Unf/Sales Ratio	2.40	2.51	-4.4%	1.45	2.39	-39.3%	NA	NA	
Prod/Sales Ratio	1.01	1.00	0.8%	0.97	0.97	0.4%	NA	NA	

Industrial Electronics Economic Summary

The pace of sales in this sector picked up slightly in the third quarter, rising at an annualized rate of 3.7% from the second quarter. New order growth, though, declined in the quarter falling 0.4%.

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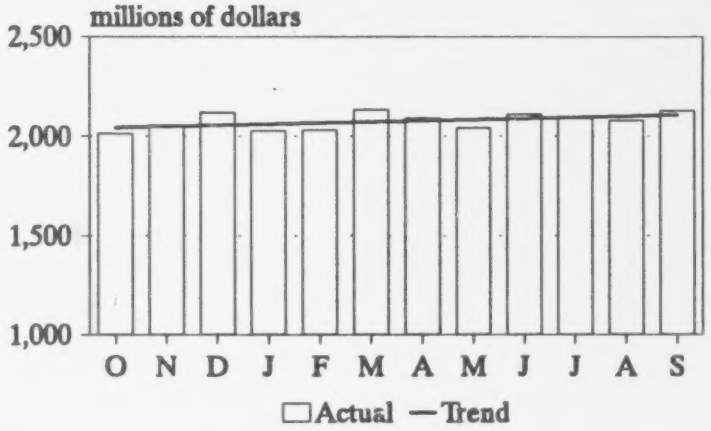
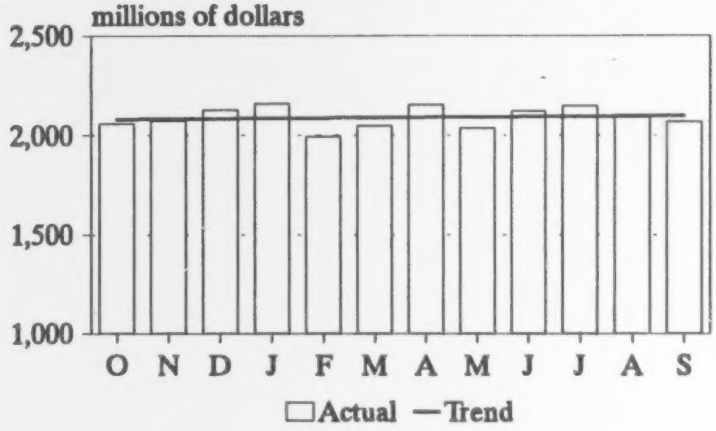
Industrial Electronics U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

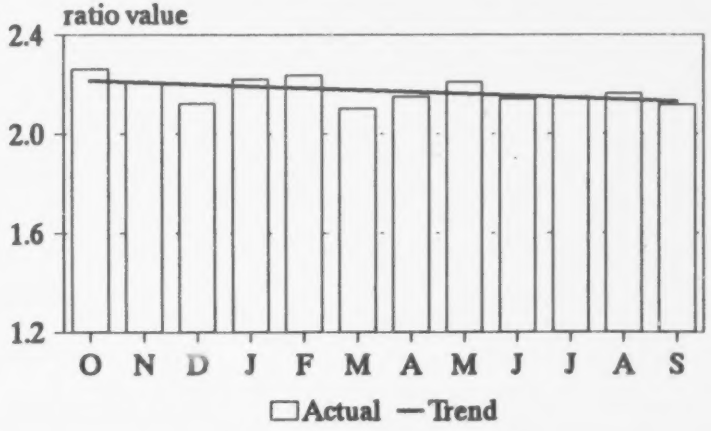
Factory Sales



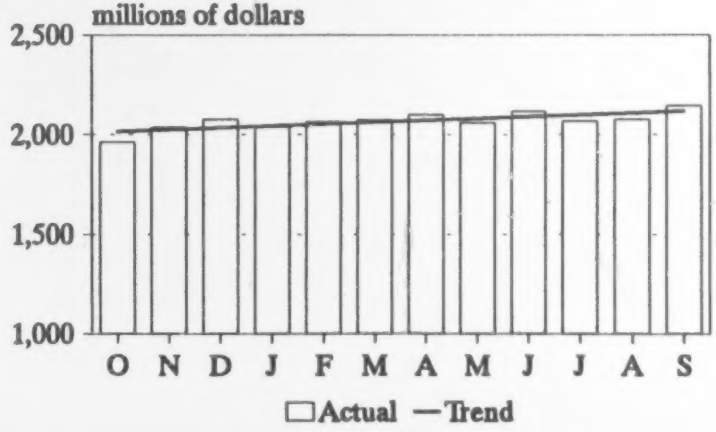
New Orders



Inventory/Sales Ratio



Production



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Industrial Electronics Foreign Trade Summary

Import/Export Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	273	269	1.5%	263	242	8.7%	1,937	1,967	-1.5%
Exports	577	616	-6.3%	567	610	-7.0%	4,912	5,064	-3.0%
Balance	304	347	-12.4%	304	368	-17.4%	2,975	3,097	-4.0%

Import/Export Country Summary August 1992

(not seasonally adj thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Japan	512,058	24.9%	Japan	661,103	13.3%
Canada	257,438	12.5%	Canada	661,047	13.3%
U.K.	248,155	12.1%	Germany	398,012	8.0%
Germany	227,142	11.0%	U.K.	340,701	6.8%
Mexico	119,858	5.8%	S. Korea	337,931	6.8%
France	79,513	3.9%	Mexico	307,298	6.2%
Switzerland	52,882	2.6%	France	255,879	5.1%
Netherlands	49,268	2.4%	Taiwan	214,357	4.3%
Taiwan	42,297	2.1%	Italy	164,966	3.3%
Sweden	36,490	1.8%	Singapore	138,627	2.8%
Other	433,347	21.1%	Other	1,501,490	30.1%

Import/Export Product Summary August 1992

(not seasonally adj thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Industrial Robots	10,528	4,745	(5,783)	83,762	49,132	(34,630)
Testing/Analyzing Equipment	42,677	166,219	123,542	362,653	1,373,229	1,010,577
Measuring/Analyzing Equipment	64,868	187,925	123,058	530,499	1,617,774	1,087,275
Process/Control Devices	42,112	45,846	3,734	246,519	431,376	184,856
Other Electronic Machinery	102,706	162,532	59,826	835,015	1,509,900	674,885
Total	262,890	567,268	304,378	2,058,448	4,981,411	2,922,963

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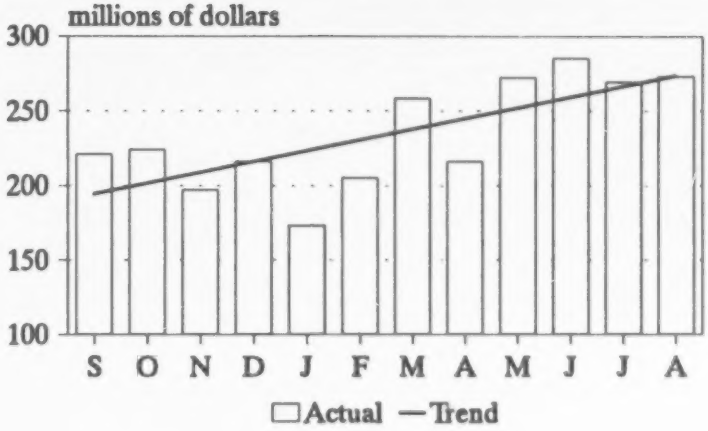
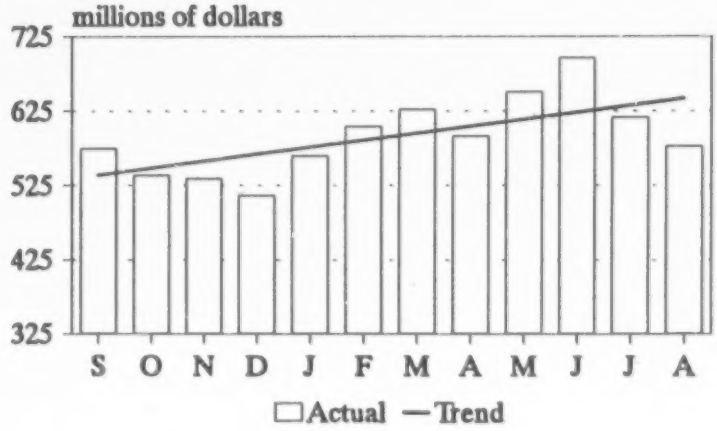
Industrial Electronics Trade Trends August 1992

(all data seasonally adjusted)

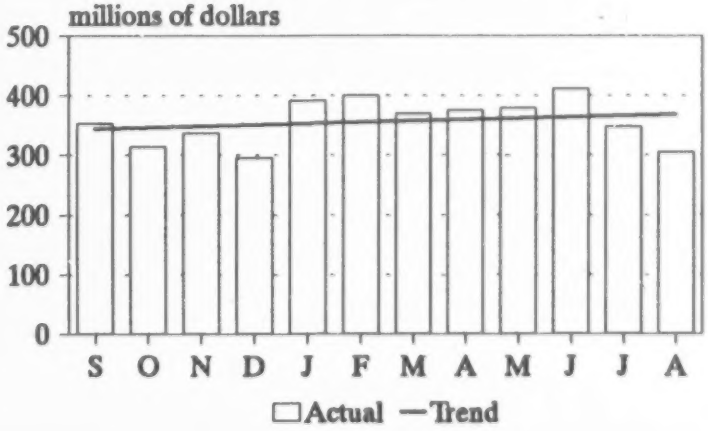
Imports



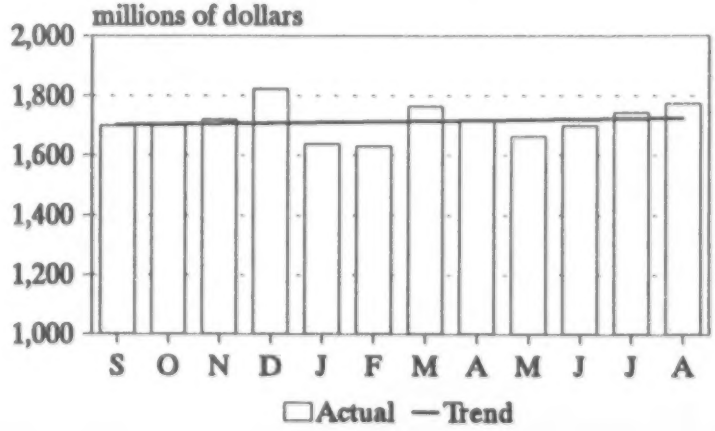
Exports



Balance of Trade



Consumption



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Industrial Electronics Employment August 1992

(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	117.8	130.3	-9.6%	118.5	-0.6%
Process Controls	27.8	32.7	-15.0%	28.0	-0.7%
Testing/Measuring	39.1	43.3	-9.7%	39.4	-0.8%
Other	50.9	54.3	-6.3%	51.1	-0.4%
ALL EMPLOYEES	232.2	249.4	-6.9%	233.5	-0.6%
Process Controls	58.2	64.3	-9.5%	58.6	-0.7%
Testing/Measuring	79.4	86.1	-7.8%	80.1	-0.9%
Other	94.6	99.0	-4.4%	94.8	-0.2%
HOURLY WAGE INDEX	119.2	114.4	4.2%	116.4	2.4%
ANNUAL SALES/EMP	$103,453	$95,166	8.7%	$102,575	0.9%

Industrial Electronics Producer Price Indices September 1992

(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	103.2	102.1	1.0%	102.9	0.3%
Testing/Measuring	102.2	101.9	0.3%	101.9	0.3%
Nuclear Radiation	103.6	101.5	2.2%	103.7	-0.1%
Process Controls	103.3	100.3	3.0%	102.8	0.5%
Other Equipment	104.6	104.1	0.4%	104.5	0.1%

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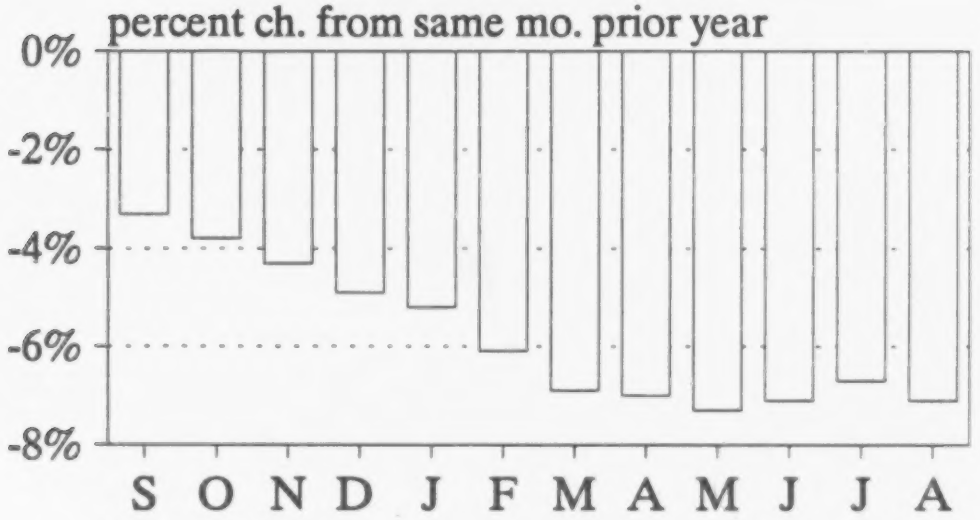
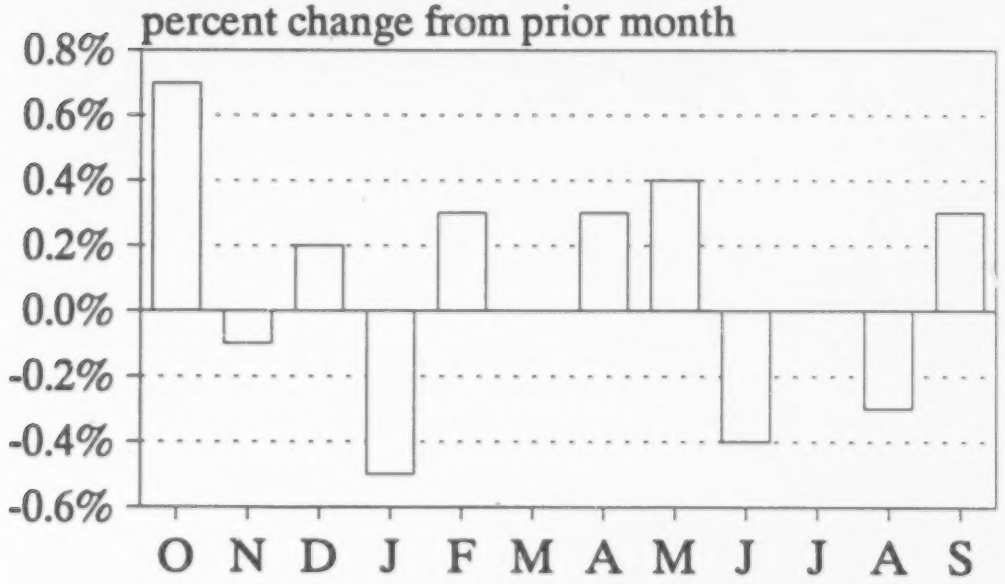
Industrial Electronics
All Employees August 1992



Industrial Electronics
Composite Price Index September 1992



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Electromedical Equipment
U.S. Factory Data September 1992
(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted			Year-to-Date		
	Sep 92	Aug 92	% ch.	Sep 92	Sep 91	% ch.	YTD 92	YTD 91	% ch.
Factory Sales	668	635	5.2%	706	672	5.2%	5,831	5,604	4.1%
New Orders	635	746	-14.9%	673	684	-1.6%	5,786	5,522	4.8%
Production	678	647	4.7%	701	671	4.5%	5,900	5,649	4.4%
Inventory	1,424	1,414	0.7%	1,407	1,339	5.0%	NA	NA	
Unfilled Orders	1,799	1,832	-1.8%	1,799	1,925	-6.6%	NA	NA	
Book/Bill Ratio	0.95	1.18	-19.2%	0.95	1.02	-6.4%	NA	NA	
Inv/Sales Ratio	2.13	2.23	-4.4%	1.99	1.99	-0.2%	NA	NA	
Unf/Sales Ratio	2.69	2.88	-6.7%	2.55	2.87	-11.2%	NA	NA	
Prod/Sales Ratio	1.01	1.02	-0.5%	0.99	1.00	-0.6%	NA	NA	

Electromedical Equipment Economic Summary

Sales growth in this sector dropped off markedly in the third quarter falling at an annualized rate of 4.2%, despite the fact that sales gained 5.2% in September. During the first three quarters of the year sales totaled $5.8 billion rising 4.1% from the prior year.

Exports fell 1% from the previous month in August to $285 million, but have gained 13.3% in the year-to-date, while imports posted a gain of 2.7%.

Total employment in August was up 5.6% from the prior year, and wages were up 4.9%.

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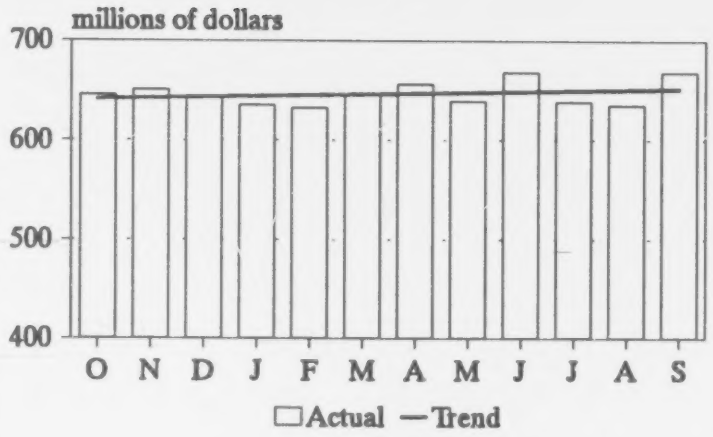
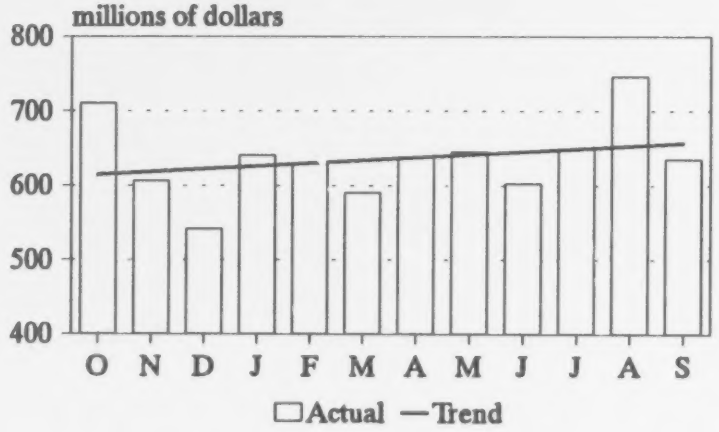
Electromedical Equipment U.S Factory Trends Sept. 1992

(all data seasonally adjusted)

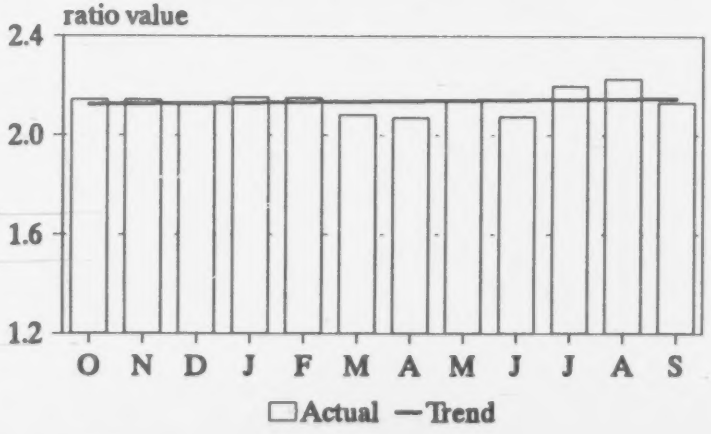
Factory Sales



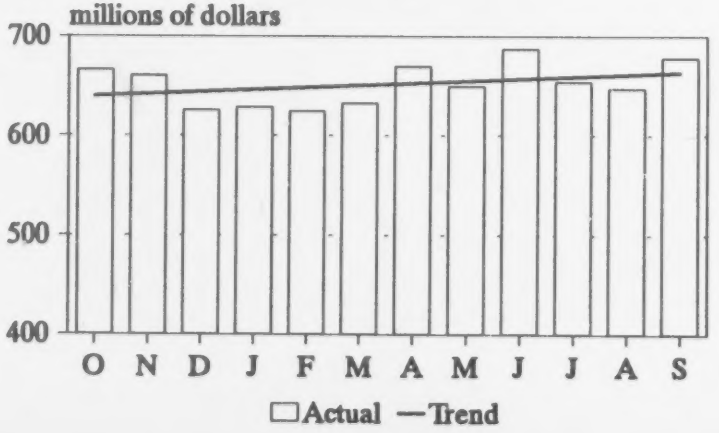
New Orders



Inventory/Sales Ratio



Production



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Electromedical Equipment Foreign Trade Summary

Import/Export Summary August 1992

(millions of dollars)

	Seasonally Adjusted			Not Seasonally Adjusted					
	Aug 92	Jul 92	% ch.	Aug 92	Aug 91	% ch.	YTD 92	YTD 91	% ch.
Imports	189	184	2.7%	191	187	2.1%	1,470	1,483	-0.9%
Exports	285	288	-1.0%	271	230	17.8%	2,223	1,962	13.3%
Balance	96	104	-7.7%	80	43	86.0%	753	478	57.3%

Import/Export Country Summary August 1992

(not seasonally adjusted thousands of dollars)

IMPORTS	YTD	% of Tot	EXPORTS	YTD	% of Tot
Germany	458,305	31.2%	Germany	328,310	14.8%
Japan	455,638	31.0%	Japan	313,346	14.1%
Netherlands	107,601	7.3%	Canada	189,308	8.5%
France	91,176	6.2%	Netherlands	180,585	8.1%
Mexico	68,074	4.6%	France	125,868	5.7%
U.K.	52,832	3.6%	U.K.	124,140	5.6%
Ireland	23,274	1.6%	Italy	90,912	4.1%
Israel	22,217	1.5%	Mexico	75,733	3.4%
Italy	20,042	1.4%	Australia	68,539	3.1%
Canada	19,863	1.4%	Sweden	67,769	3.0%
Other	152,116	10.3%	Other	657,864	29.6%

Import/Export Product Summary August 1992

(not seasonally adjusted thousands of dollars)

	Month			Year-to-Date		
	Imports	Exports	Balance	Imports	Exports	Balance
Diagnostic/Monitoring Equipment	105,051	207,124	102,072	821,361	1,656,243	834,882
X-Ray and Related Equipment	86,446	63,692	(22,754)	649,777	566,130	(83,647)
Total	191,497	270,816	79,319	1,471,138	2,222,374	751,235

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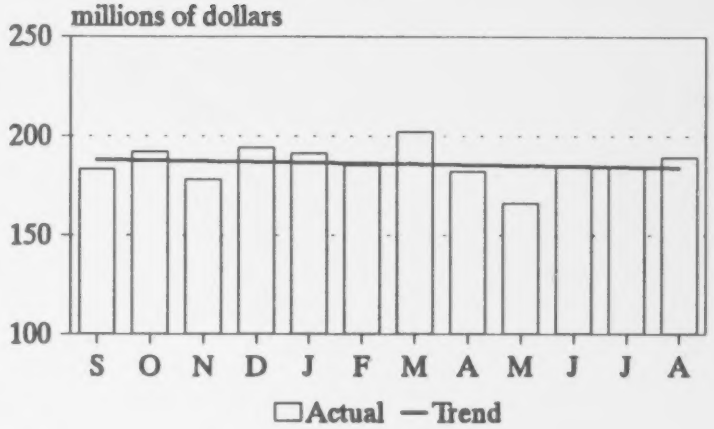
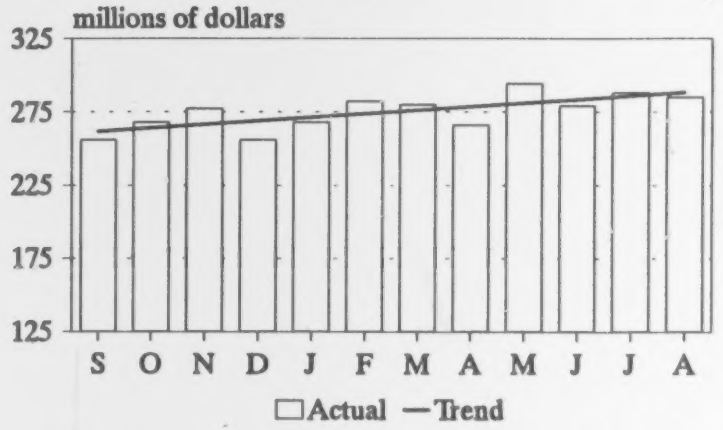
Electromedical Equipment Trade Trends August 1992

(all data seasonally adjusted)

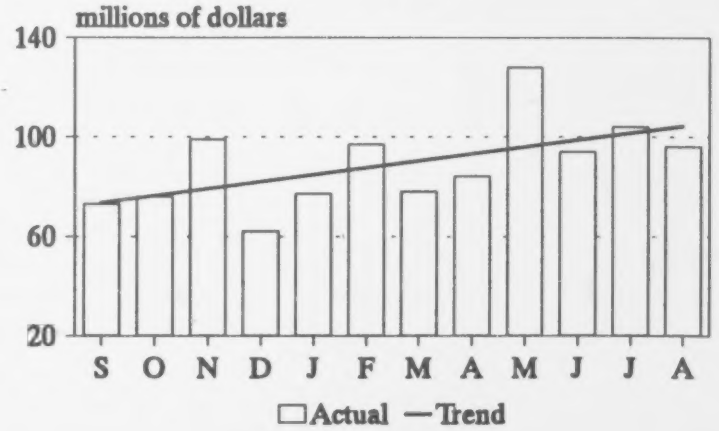
Imports



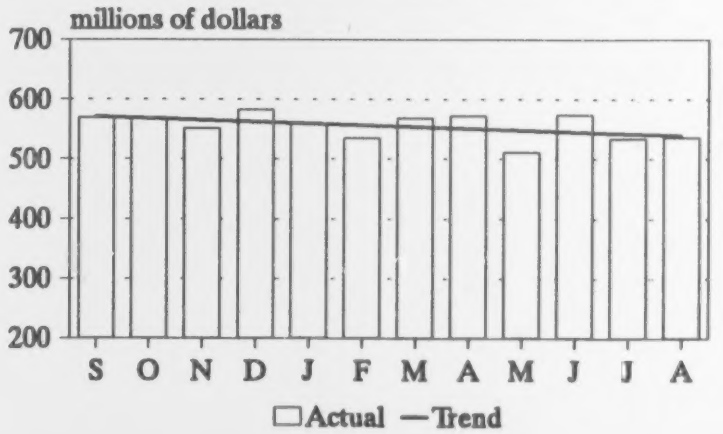
Exports



Balance of Trade



Consumption



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Electromedical Equipment Employment August 1992
(thousands of workers)

	Not Seasonally Adj				
	Aug 92	Aug 91	% ch.	Jul 92	% ch.
PRODUCTION WORKERS	18.2	17.0	7.1%	18.2	NA
ALL EMPLOYEES	45.6	43.2	5.6%	45.5	0.2%
HOURLY WAGE INDEX	120.9	115.3	4.9%	120.9	NA
ANNUAL SALES/EMP	$172,475	$174,240	-1.0%	$172,870	-0.2%

Electromedical Equipment Producer Price Indices September 1992
(12/90=100)

	Not Seasonally Adj				
	Sep 92	Sep 91	% ch.	Aug 92	% ch.
COMPOSITE INDEX	102.5	100.9	1.6%	102.4	0.1%
Irradiation Equipment	101.0	101.2	-0.2%	100.6	0.4%
Diagnostic/Monitoring	103.4	100.8	2.6%	103.3	0.1%
Electrotherapeutic	102.3	101.0	1.2%	102.3	-0.1%

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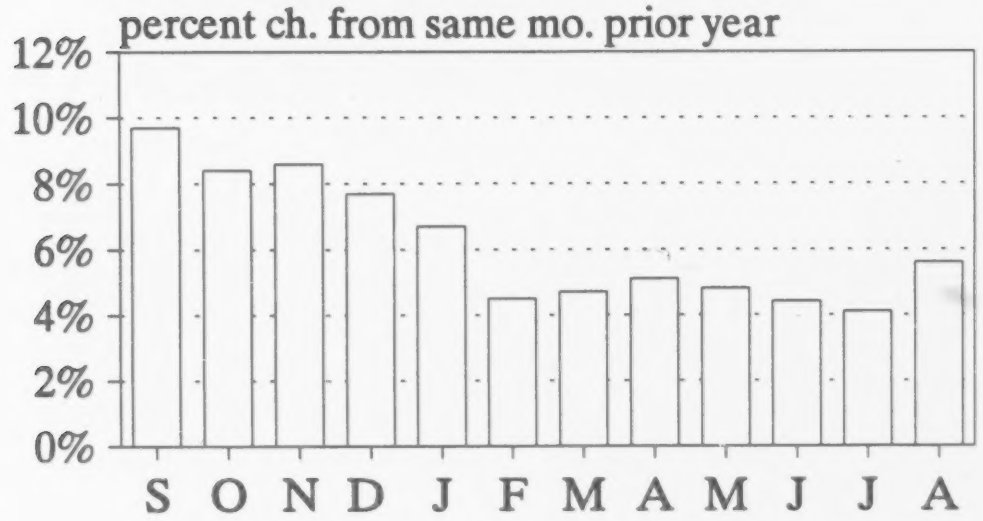
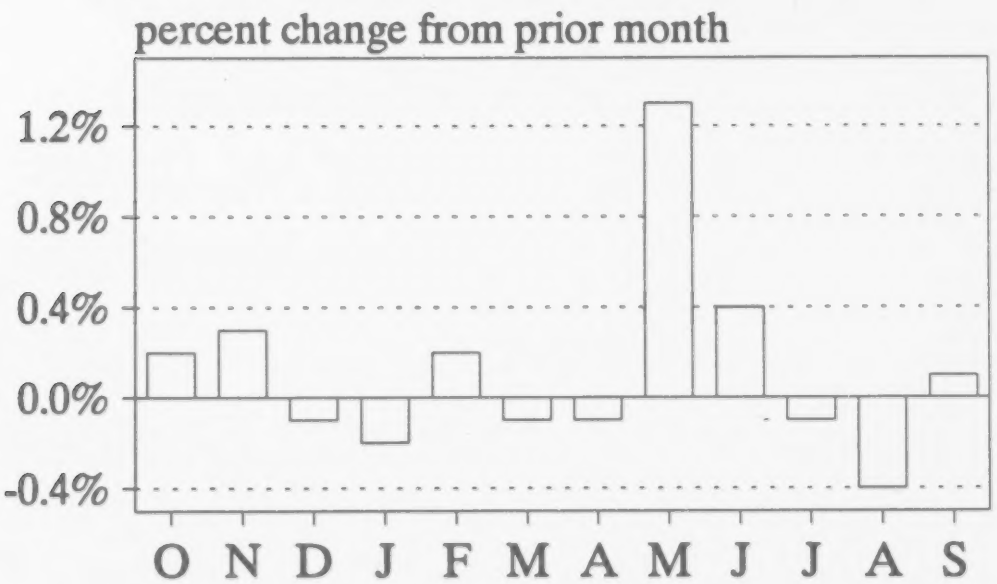
Electromedical Equipment
All Employees August 1992



Electromedical Equipment
Composite Price Index September 1992



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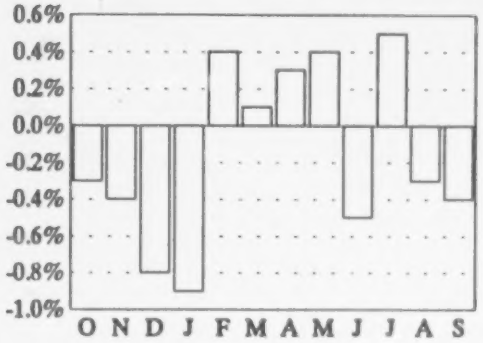
Capacity Utilization

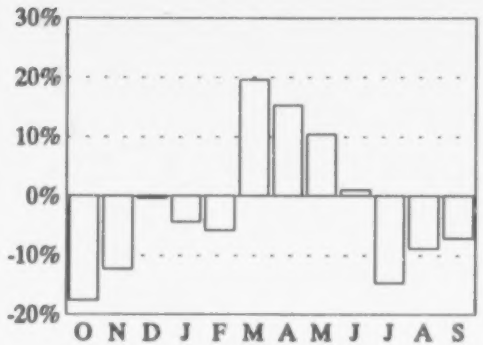
(percent change from previous change)



Source: Federal Reserve Board

Consumer Confidence Index

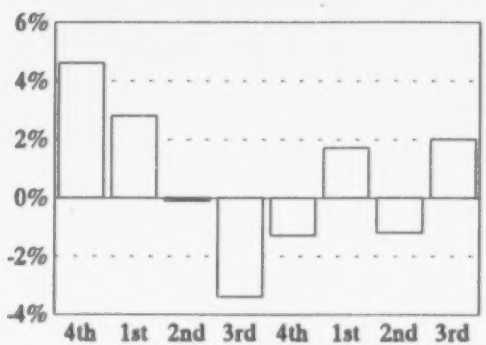
(percent change from previous change)



Source: Conference Board

Government Purchases

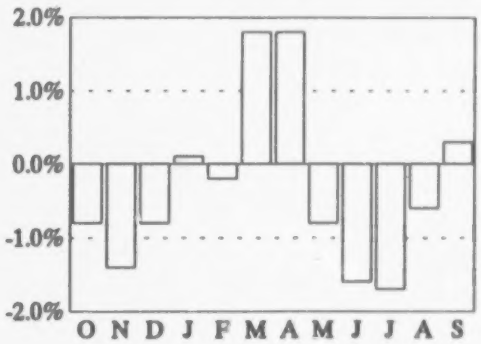
(quarter vs. previous quarter)



Source: Department of Commerce

Trade Weighted Dollar Index

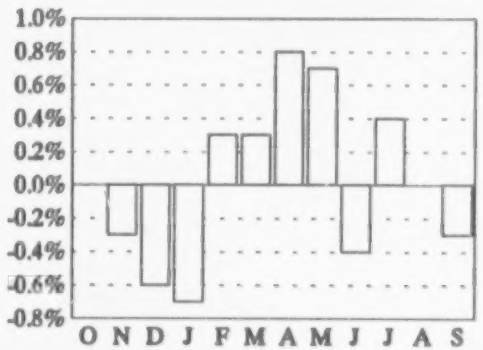
(percent change from previous change)



Source: Federal Reserve Bank of Atlanta

Industrial Production

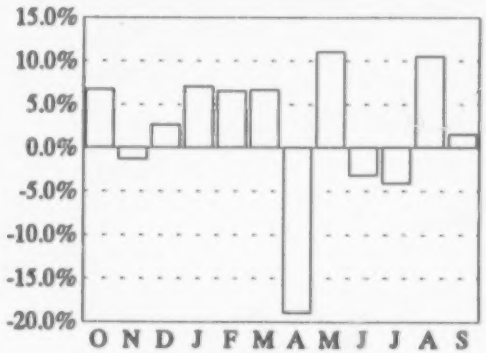
(percent change from previous change)



Source: Federal Reserve Board

Housing Starts

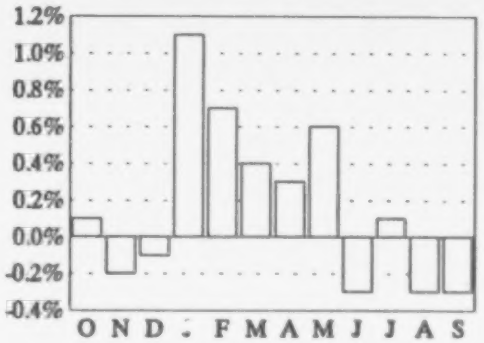
(percent change from previous change)



Source: Department of Commerce

Leading Economic Indicators

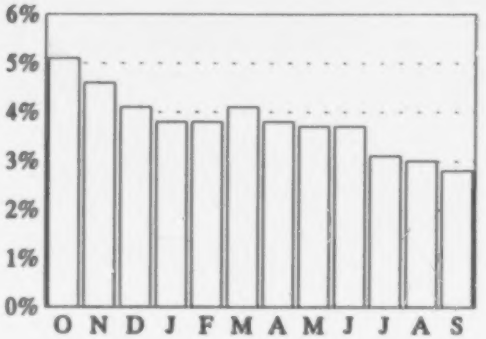
(percent change from previous change)



Source: Federal Reserve Board

90 Day T-Bill Rate

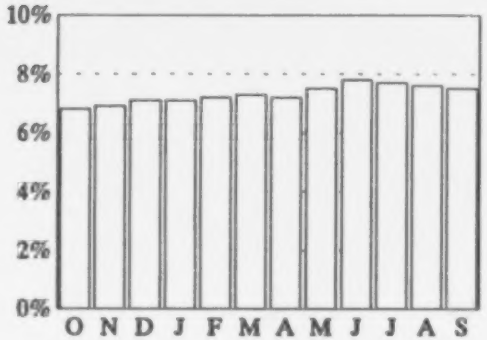
(interest rate)



Source: Conference Board

Unemployment Rate

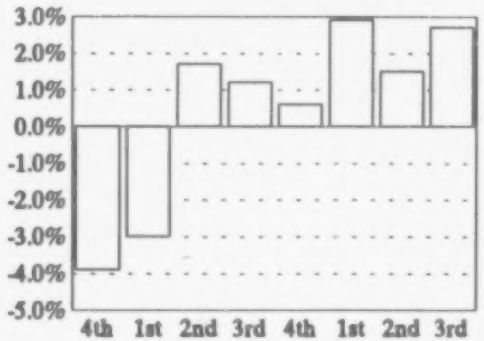
(precent of civilian laborforce)



Source: Department of Commerce

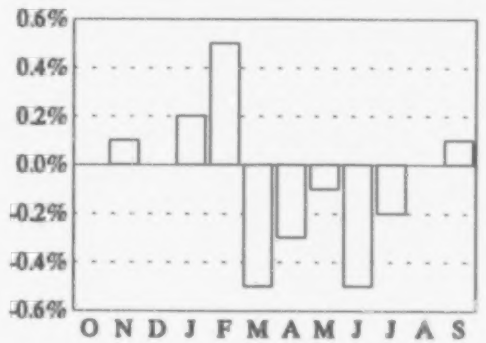
Real GDP

(quarter vs. previous quarter)



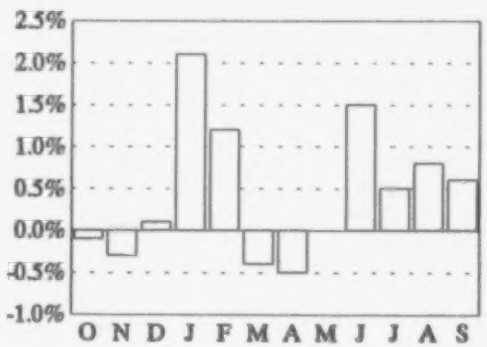
Real Money Supply M-2

(percent change from previous change)



Retail Sales

(percent change from previous change)



Economic Data Bank
Data as of November 3, 1992

	Current Period	Previous Period	Year Ago
	Sep-92	Aug-92	Sep-91
Capacity Utilization (% utilized)	**78.4**	**78.7**	**78.8**
	Oct-92	Sep-92	Oct-91
Consumer Confidence (Index 1985=100)	**52.4**	**56.4**	**60.1**
	3rd Q92	2nd Q92	3rd Q91
Gross Domestic Product (billions 1987 $)	**4,924.5**	**4,892.4**	**4,831.8**
	2nd Q92	1st Q92	2nd Q91
Gross National Product (billions 1987 $)	**4,899.1**	**4,890.7**	**4,843.7**
	3rd Q92	2nd Q92	3rd Q91
Government Purchases (billions 1987 $)	**938.8**	**934.2**	**936.1**
	Sep-92	Aug-92	Sep-91
Industrial Production (Index 1987=100)	**108.6**	**108.9**	**108.4**
	Sep-92	Aug-92	Sep-91
Housing Starts (annual rate 000's)	**1,256**	**1,237**	**1,021**
	Sep-92	Aug-92	Sep-91
ıg Economic Indicators (Index 1987=100)	**148.2**	**148.6**	**145.3**
	Oct-92	Sep-92	Oct-91
90-Day T-Bill Rate (%)	**2.79**	**2.97**	**5.25**
	Oct-92	Sep-92	Oct-91
Prime Rate (%)	**6.00**	**6.00**	**8.20**
	Sep-92	Aug-92	Sep-91
Unemployment Rate (% of labor force)	**7.5**	**7.6**	**6.8**
	Sep-92	Aug-92	Sep-91
Real Money Supply M-2 (billions 1987 $)	**2,378.0**	**2,376.3**	**2,400.8**
	Sep-92	Aug-92	Sep-91
Retail Sales (billions of dollars)	**161.6**	**160.7**	**153.0**
	Sep-92	Aug-92	Sep-91
posable Personal Income (billions 1987 $)	**3,580.5**	**3,573.6**	**3,511.3**
	Sep-92	Aug-92	Sep-91
Auto Sales (annual rate 000's)	**510**	**483**	**498**
	Sep-92	Aug-92	Sep-91
Personal Savings Rate (% of income)	**4.6**	**4.5**	**5.2**
	Sep-92	Aug-92	Sep-9.
CPI-U All Items (Index 1982-84=100)	**141.3**	**140.9**	**137.2**
	Sep-92	Aug-92	Sep-91
PPI Finished Goods (Index 1982-84=100)	**123.9**	**123.5**	**121.8**
	Aug-92	Jul-92	Aug-91
Balance of Trade (billions of dollars)	**(9.0)**	**(7.8)**	**(6.6)**

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Historical Data 1987 - Present

Electronic Components - All Data Seasonally Adjusted Millions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	3,435	3,471	3,562	3,492	3,559	3,705	3,959	3,948	3,920	4,009	4,085	4,191
1988	4,081	4,184	4,087	4,196	4,236	4,298	4,372	4,325	4,396	4,286	4,189	4,338
1989	4,704	4,589	4,733	4,741	4,626	4,718	4,605	4,661	4,788	4,743	4,716	4,755
1990	4,612	4,560	4,579	4,530	4,670	4,573	4,598	4,650	4,529	4,619	4,617	4,557
1991	4,444	4,604	4,531	4,599	4,768	4,629	4,730	4,664	4,628	4,754	4,808	4,816
1992	4,757	4,742	4,714	4,742	4,708	4,792	4,896	4,802	5,051			
New Orders												
1987	2,840	3,474	3,858	3,724	3,936	3,891	4,279	4,263	4,193	4,353	4,448	4,344
1988	4,218	4,379	4,361	4,097	4,289	4,370	4,361	3,960	4,416	3,898	3,885	4,202
1989	4,415	4,462	4,398	4,748	4,321	4,737	4,596	4,766	4,970	4,856	4,779	4,836
1990	4,621	4,352	4,646	4,436	5,024	4,109	4,397	4,878	4,256	4,586	4,609	4,430
1991	4,184	5,192	4,421	5,165	4,821	3,751	4,725	4,570	4,610	4,550	5,278	4,990
1992	4,924	4,795	4,191	4,747	4,698	5,037	5,087	4,939	5,347			
Inventories												
1987	7,144	7,090	7,109	7,118	7,191	7,263	7,271	7,339	7,413	7,493	7,542	7,652
1988	7,650	7,729	7,730	7,733	7,706	7,802	7,876	7,954	7,976	8,039	8,246	8,187
1989	8,695	8,840	8,894	8,965	8,954	8,881	9,059	9,250	9,177	9,185	9,249	9,207
1990	8,806	8,778	8,855	8,845	8,884	8,840	8,958	8,773	8,780	8,745	8,773	8,751
1991	8,717	8,513	8,529	8,630	8,595	8,553	8,603	8,525	8,454	8,395	8,233	8,106
1992	7,997	8,076	8,044	7,983	7,911	7,974	7,976	8,044	8,092			
Unfilled Orders												
1987	11,424	11,428	11,725	11,956	12,333	12,519	12,838	13,154	13,427	13,771	14,135	14,288
1988	14,315	14,510	14,784	14,685	14,738	14,810	14,799	14,434	14,454	14,066	13,761	13,625
1989	14,047	13,920	13,585	13,591	13,286	13,305	13,297	13,402	13,584	13,697	13,760	13,841
1990	13,323	13,114	13,181	13,088	13,442	12,978	12,777	13,006	12,733	12,700	12,692	12,565
1991	12,258	12,847	12,737	13,302	13,355	12,478	12,473	12,379	12,361	12,156	12,627	12,802
1992	12,968	13,022	12,499	12,505	12,495	12,739	12,931	13,068	13,364			

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Historical Data 1987 - Present

Telecommunications Equipment - All Data Seasonally Adjusted Millions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	2,366	2,391	2,542	2,421	2,369	2,496	2,552	2,510	2,568	2,519	2,576	2,600
1988	2,500	2,608	2,703	2,515	2,519	2,734	2,569	2,662	2,640	2,529	2,514	2,620
1989	2,678	2,512	2,673	2,778	2,719	2,716	2,516	2,635	2,628	2,586	2,620	2,528
1990	2,616	2,895	2,597	2,812	2,679	2,647	2,831	2,786	2,757	3,012	2,709	2,767
1991	2,878	2,857	2,786	2,784	2,923	2,874	2,944	2,894	3,064	3,046	3,060	3,051
1992	3,066	3,086	3,166	3,023	3,056	3,215	3,653	3,199	3,543			
New Orders												
1987	2,584	2,213	2,153	2,467	2,143	2,986	2,596	2,108	2,610	2,518	2,534	2,845
1988	2,690	2,537	2,836	2,550	2,568	2,614	2,567	2,866	2,715	2,822	2,647	2,471
1989	2,485	2,317	2,260	2,190	2,211	2,446	2,785	2,259	2,568	2,266	2,351	2,932
1990	2,533	2,753	2,534	2,745	2,724	3,191	2,707	2,786	2,626	3,112	2,265	3,622
1991	2,503	3,108	2,457	2,688	2,649	2,728	2,754	2,571	2,927	3,056	2,725	3,312
1992	3,007	2,940	3,373	2,851	3,147	3,265	3,700	3,165	3,661			
Inventories												
1987	5,457	5,432	5,377	5,414	5,415	5,444	5,449	5,442	5,467	5,507	5,562	5,508
1988	5,410	5,442	5,484	5,493	5,514	5,597	5,561	5,686	5,746	5,777	5,834	5,785
1989	5,994	6,246	5,986	6,051	6,158	6,179	6,194	6,184	6,112	6,235	6,290	6,408
1990	6,846	6,843	6,744	6,768	6,731	6,717	6,781	6,886	6,954	6,915	6,934	6,733
1991	7,307	7,329	7,465	7,641	7,482	7,306	7,394	7,217	7,110	7,150	7,135	7,281
1992	7,434	7,293	7,271	7,314	7,338	7,409	7,323	7,423	7,312			
Unfilled Orders												
1987	15,996	15,819	15,430	15,476	15,251	15,741	15,785	15,383	15,425	15,423	15,382	15,627
1988	15,506	15,434	15,568	15,602	15,651	15,531	15,528	15,732	15,806	16,099	16,232	16,084
1989	16,553	16,358	15,945	15,357	14,849	14,579	14,848	14,472	14,412	14,091	13,822	14,225
1990	13,506	13,365	13,302	13,236	13,280	13,823	13,699	13,699	13,567	13,667	13,223	14,078
1991	13,604	13,855	13,526	13,430	13,156	13,010	12,820	12,497	12,360	12,370	12,035	12,296
1992	12,237	12,091	12,298	12,126	12,217	12,267	12,314	12,280	12,398			

Historical Data 1987 - Present

Other Defense Communications - All Data Seasonally Adjusted MIllions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	2,617	2,660	2,774	2,694	2,685	2,788	2,824	2,805	2,862	2,709	2,782	2,889
1988	2,631	2,653	2,766	2,773	2,693	2,913	2,814	2,677	3,010	2,595	2,680	3,035
1989	2,873	2,742	2,806	2,670	2,681	2,619	2,563	2,697	2,697	2,764	2,770	2,960
1990	2,816	2,860	2,685	2,790	2,940	2,759	2,987	2,832	2,877	2,818	2,838	2,933
1991	2,646	2,604	2,679	2,710	2,726	2,759	2,608	3,023	2,573	2,707	2,761	2,453
1992	2,507	2,653	2,557	2,555	2,489	2,552	2,436	2,395	2,465			
New Orders												
1987	2,502	2,276	2,086	3,755	2,540	3,131	3,052	3,032	3,233	2,786	2,731	2,325
1988	2,797	2,506	2,060	849	3,914	1,445	2,351	2,240	2,749	1,745	2,479	4,257
1989	3,486	2,866	2,190	2,286	1,962	2,238	1,853	1,957	2,817	2,501	3,401	3,337
1990	3,022	2,306	3,000	3,083	3,013	2,698	2,852	2,767	2,665	2,396	1,982	1,921
1991	2,193	2,908	1,991	2,126	2,695	2,483	3,037	3,407	2,414	2,436	1,815	1,471
1992	3,090	2,428	2,608	1,830	1,916	1,654	2,016	1,924	2,507			
Inventories												
1987	8,152	8,104	8,094	8,172	8,252	8,411	8,433	8,491	8,673	8,773	8,923	8,981
1988	8,966	8,813	8,627	8,376	8,370	7,933	7,904	7,895	7,768	7,624	7,583	8,729
1989	9,111	9,206	9,433	9,664	9,744	9,755	9,845	9,876	9,708	9,570	9,383	8,915
1990	8,842	8,879	8,873	8,936	8,968	8,913	8,849	8,790	8,819	8,822	8,697	8,446
1991	8,143	8,198	7,899	7,983	7,851	7,867	7,826	7,845	7,793	7,708	7,501	7,623
1992	7,361	7,147	7,124	6,994	6,914	6,861	6,823	6,728	6,678			
Unfilled Orders												
1987	46,284	45,900	45,212	46,273	46,128	46,470	46,698	46,926	47,298	47,375	47,324	46,760
1988	46,787	46,640	45,934	44,011	45,232	43,763	43,300	42,864	42,602	41,752	41,550	42,772
1989	44,296	44,420	43,805	43,421	42,702	42,322	41,612	40,872	40,991	40,728	41,358	41,735
1990	41,786	41,232	41,548	41,842	41,914	41,853	41,717	41,652	41,440	41,018	40,162	39,150
1991	37,954	38,258	37,569	36,985	36,954	36,678	37,106	37,490	37,332	37,061	36,115	35,133
1992	35,716	35,491	35,542	34,817	34,245	33,347	32,928	32,457	32,499			

Historical Data 1987 - Present

Computers & Peripherals - All Data Seasonally Adjusted Millions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	4,415	4,346	4,098	4,303	4,317	4,338	4,596	4,364	4,529	4,488	4,507	4,540
1988	4,289	4,426	4,413	4,525	4,603	4,596	4,659	4,672	4,570	4,431	4,459	4,494
1989	4,532	4,297	4,606	4,577	4,591	4,786	4,527	4,586	4,577	4,197	4,411	4,505
1990	4,486	4,483	4,512	4,412	4,385	4,466	4,304	4,395	4,432	4,652	4,357	4,383
1991	4,390	4,299	4,309	4,353	4,286	4,338	4,364	4,322	4,086	4,620	4,704	4,311
1992	4,845	4,689	4,787	4,874	4,887	5,107	5,128	4,963	4,841			
New Orders												
1987	3,974	4,392	4,136	4,450	4,415	4,420	4,598	4,305	4,415	4,542	4,406	4,453
1988	4,322	4,573	4,194	4,618	4,578	4,681	4,595	5,058	4,056	4,270	4,379	4,569
1989	4,502	3,988	4,574	4,357	4,374	4,348	4,258	4,722	4,639	4,212	4,462	4,459
1990	4,333	4,411	4,490	4,418	4,435	4,067	4,717	3,996	4,983	4,328	4,244	4,041
1991	4,573	4,253	4,350	4,037	4,542	4,394	4,279	4,314	3,960	4,383	4,393	3,824
1992	4,590	4,510	4,656	4,599	4,825	4,942	4,819	5,028	4,822			
Inventories												
1987	8,383	8,353	8,322	8,381	8,554	8,482	8,403	8,485	8,384	8,477	8,612	8,765
1988	8,075	8,189	8,306	8,348	8,456	8,654	8,719	8,762	8,908	9,001	9,008	9,124
1989	9,647	9,593	9,612	9,522	9,472	9,502	9,689	9,674	9,659	9,719	10,025	9,852
1990	9,748	9,713	9,575	9,728	9,753	9,456	9,507	9,594	9,502	9,318	9,187	8,806
1991	8,901	8,957	8,787	8,761	8,755	8,442	8,605	8,501	8,564	8,505	8,436	8,014
1992	8,185	8,013	8,010	7,970	7,986	7,873	7,830	7,993	7,849			
Unfilled Orders												
1987	11,806	11,851	11,889	12,037	12,135	12,216	12,219	12,160	12,046	12,100	11,999	11,912
1988	10,976	11,123	10,904	10,996	10,972	11,057	10,993	11,380	10,866	10,705	10,625	10,700
1989	11,069	10,760	10,727	10,507	10,290	9,852	9,584	9,719	9,781	9,796	9,846	9,801
1990	9,661	9,589	9,567	9,573	9,624	9,224	9,637	9,239	9,790	9,466	9,353	9,012
1991	9,223	9,177	9,218	8,902	9,158	9,215	9,130	9,123	8,997	8,759	8,448	7,961
1992	7,705	7,527	7,395	7,120	7,058	6,893	6,584	6,649	6,630			

Historical Data 1987 - Present

Industrial Electronics - All Data Seasonally Adjusted Millions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	1,678	1,783	1,781	1,789	1,751	1,797	1,806	1,746	1,809	1,783	1,792	1,811
1988	1,743	1,766	1,783	1,810	1,791	1,815	1,840	1,867	1,904	1,918	1,923	1,939
1989	2,133	2,090	2,039	2,033	2,098	1,957	2,058	2,138	2,096	2,040	2,061	2,057
1990	2,100	2,068	2,119	2,031	2,186	2,133	2,085	2,077	2,051	2,084	2,043	1,984
1991	1,976	2,002	1,995	2,008	1,993	2,110	2,006	2,011	2,051	2,013	2,055	2,117
1992	2,027	2,029	2,131	2,088	2,040	2,108	2,089	2,076	2,127			
New Orders												
1987	1,632	1,701	1,720	1,767	1,719	1,844	1,849	1,787	1,880	1,844	1,871	1,886
1988	1,840	1,821	1,895	1,808	1,852	1,865	1,898	1,897	1,908	1,935	1,873	1,883
1989	2,136	2,005	2,019	2,021	1,980	2,015	1,979	2,096	2,057	2,036	2,053	2,137
1990	2,122	2,082	2,053	2,059	2,144	2,071	2,080	2,126	2,025	2,163	1,948	2,134
1991	1,967	2,114	1,909	2,044	2,010	1,871	2,077	1,950	1,990	2,057	2,071	2,127
1992	2,157	1,993	2,047	2,151	2,034	2,121	2,147	2,088	2,066			
Inventories												
1987	4,314	4,333	4,336	4,346	4,357	4,348	4,344	4,351	4,369	4,344	4,367	4,406
1988	4,110	4,115	4,117	4,106	4,160	4,149	4,148	4,166	4,186	4,185	4,228	4,357
1989	4,756	4,763	4,800	4,807	4,711	4,749	4,773	4,811	4,813	4,846	4,843	4,823
1990	4,882	4,898	4,919	4,906	4,870	4,891	4,923	4,907	4,857	4,889	4,881	4,822
1991	4,740	4,721	4,703	4,693	4,681	4,674	4,629	4,622	4,607	4,553	4,534	4,492
1992	4,502	4,536	4,478	4,488	4,505	4,512	4,490	4,489	4,505			
Unfilled Orders												
1987	5,285	5,245	5,222	5,245	5,234	5,297	5,340	5,353	5,415	5,446	5,475	5,516
1988	5,303	5,337	5,427	5,435	5,465	5,484	5,526	5,543	5,547	5,610	5,613	5,601
1989	6,108	6,061	6,012	5,948	5,846	5,824	5,777	5,778	5,764	5,758	5,752	5,821
1990	5,812	5,793	5,756	5,768	5,799	5,778	5,765	5,808	5,767	5,819	5,702	5,795
1991	5,574	5,707	5,646	5,687	5,670	5,507	5,557	5,486	5,416	5,418	5,398	5,429
1992	5,475	5,389	5,295	5,321	5,286	5,273	5,252	5,213	5,104			

Historical Data 1987 - Present

Electromedical Equipment - All Data Seasonally Adjusted Millions of Dollars

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shipments												
1987	412	441	455	455	453	468	474	471	496	488	481	483
1988	462	475	491	507	485	504	514	512	516	514	498	535
1989	524	541	512	511	518	523	518	534	535	538	541	544
1990	554	554	564	568	591	587	592	598	596	606	618	581
1991	629	620	578	629	626	613	643	615	642	645	650	644
1992	635	632	646	656	639	668	638	635	668			
New Orders												
1987	441	429	464	470	454	510	510	488	515	497	496	512
1988	480	478	502	497	498	508	532	499	495	535	528	582
1989	463	537	510	535	520	665	538	528	734	588	527	501
1990	617	585	575	549	562	609	614	585	614	667	593	548
1991	642	591	566	582	631	552	677	618	654	710	606	541
1992	640	629	590	638	645	602	649	746	635			
Inventories												
1987	1,008	1,011	1,008	1,005	1,012	1,017	1,026	1,036	1,054	1,053	1,066	1,073
1988	1,045	1,051	1,055	1,061	1,088	1,095	1,109	1,128	1,136	1,145	1,161	1,192
1989	1,202	1,221	1,244	1,266	1,273	1,302	1,227	1,235	1,248	1,255	1,262	1,258
1990	1,292	1,293	1,291	1,289	1,284	1,267	1,266	1,330	1,331	1,345	1,342	1,327
1991	1,308	1,301	1,295	1,304	1,303	1,322	1,338	1,344	1,360	1,382	1,392	1,373
1992	1,366	1,358	1,344	1,357	1,368	1,386	1,402	1,414	1,424			
Unfilled Orders												
1987	1,434	1,422	1,432	1,447	1,448	1,490	1,526	1,543	1,562	1,571	1,586	1,616
1988	1,590	1,593	1,604	1,594	1,607	1,611	1,629	1,615	1,594	1,615	1,645	1,692
1989	1,600	1,597	1,595	1,619	1,621	1,764	1,783	1,777	1,976	2,025	2,011	1,968
1990	1,976	2,006	2,017	1,997	1,968	1,990	2,013	1,999	2,017	2,078	2,054	2,020
1991	2,020	1,991	1,979	1,932	1,937	1,876	1,910	1,913	1,925	1,991	1,948	1,844
1992	1,849	1,846	1,789	1,771	1,777	1,711	1,721	1,832	1,799			

Footnotes

[1]Represents U.S. factory sales of electronics, comprised of electronic components, domestically-produced consumer electronics, telecommunications equipment, other specialized communications, computers & peripheral equipment, industrial electronics, electromedical equipment, and the estimated electronic content specific to the aerospace and automobile industries as well as computer related software and services.

[2]Represents imports for consumption, customs value.

[3]Represents total exports, including reexports.

[4]Represents the composite weighted average price index of the electronic industries. The index is comprised of industry indices from electronic components, consumer electronics (including imports), telecommunications equipment, other specialized communications, computers & peripheral equipment, industrial electronics, and electromedical equipment.

[5]Represents domestically-produced audio and video products, blank media products and electronic toys.

[6]Represents the ratio of total factory sales for a sector during the last 12-month period to average total employment in that sector during the same 12-month period.

[7]Represents total consumer electronics sales in the U.S., including imports.

[8]Represents the weighted producer price index of audio and video products sold in the U.S. market including imports.

Sources

U.S. Factory Data - U.S. Department of Commerce

Total Consumer Electronics Sales - EIA Marketing Services Department

Electronics Foreign Trade - U.S. Department of Commerce

Employment Data - Bureau of Labor Statistics

Producer Price Indices - Bureau of Labor Statistics, EIA Marketing Services

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